

8.3 Attribution of global warming

Page 85

MISLEADING

The choice of TSI satellite record used in an analysis can therefore substantially influence how much climate change is attributed to human versus natural forcings.

[[HYPERLINK "https://www.mps.mpg.de/solar-physics/staff/27559" \h](https://www.mps.mpg.de/solar-physics/staff/27559)],
astrophysicist, Max Planck Institute for Solar System Research

This statement is misleading and confusing. First, the choice of TSI satellite record does not substantially influence the estimated solar contribution to

climate change; rather, it is the choice of modelled TSI series, which was the topic of the previous sentence, that can have an impact. Second, as explained above, the high-variability TSI reconstructions used by Connolly et al. (2021) and (2023) to attribute most warming to the Sun are outdated, superseded, and scientifically implausible. While there is indeed uncertainty regarding the long-term trend in solar irradiance, which naturally affects the precise estimate of solar-driven global warming, all current evidence indicates this contribution is relatively small. The sentence in the DoE report, however, dramatically exaggerates this uncertainty and its implications.

However, it is also possible that the authors of the DoE report intended to suggest that the choice of TSI satellite records influences the reconstruction outcomes and thus the estimated solar contribution to global warming. This interpretation would also be misleading, as explained earlier, but reiterated here:

1) While the choice of reference TSI series can affect proxy model results depending on the regression approach, this effect is often small. For example, Chatzistergos et al. (2020) demonstrated that the choice of TSI reference has a negligible impact on minimum-to-minimum trends in their regression model. Similarly, Figure 7c in Chatzistergos et al. (2024) shows only minor differences when using various TSI references in their century-long reconstruction.

2) This effect is typically negligible in physics-based semi-empirical models. Various studies have confirmed the minimal impact on SATIRE reconstructions when changing the reference TSI series (e.g., Chatzistergos et al. 2021). Notably, for the latest version of SATIRE-S, Chatzistergos et al. (2025) explicitly

state that "the trend in the updated SATIRE-S TSI composite is independent of measured TSI".

3) As mentioned earlier, the DoE authors cited Velasco Herrera et al. (2015) instead of irradiance reconstruction models, which may have caused the confusion. Velasco Herrera et al. (2015) presented a machine learning extrapolation that inherently depends on the chosen TSI reference series. Given the chaotic nature of solar activity, such limited-data extrapolations lack scientific robustness (see Petrovay (2020)). Moreover, Velasco Herrera et al. 2015 predictions for 2015-25 have already been contradicted by direct TSI measurements collected since.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://doi.org/10.1016/j.jastp.2023.106150" \h](https://doi.org/10.1016/j.jastp.2023.106150)]

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FALSE

Scafetta et al. (2023) suggests that ~80% of solar influence on climate might stem from non-TSI mechanisms.

[[HYPERLINK "https://www.mps.mpg.de/solar-physics/staff/27559" \h](https://www.mps.mpg.de/solar-physics/staff/27559)],

astrophysicist, Max Planck Institute for Solar System Research

The reference is incorrect, there is no Scafetta et al. (2023); this should be Scafetta (2023). Although Scafetta (2023) indeed makes this claim, it is yet another such claim of attributing most global warming to the sun mainly based on the use of the discredited Hoyt and Schatten (1993) TSI series (Chatzistergos (2024)). Scafetta (2023) bases his analysis on a combination of three TSI series: Hoyt and Schatten (1993), Egorova et al. (2018) and the one recommended by CMIP6. Since the Hoyt and Schatten (1993) TSI series was not updated prior to Chatzistergos (2024), Scafetta extended it by linking it to the ACRIM TSI composite. Chatzistergos (2024) demonstrated that the high variability imposed by Hoyt and Schatten (1993) is inconsistent with direct TSI measurements and that a variability magnitude approximately five times smaller is required.

Additionally, Chatzistergos (2024) showed that the Hoyt and Schatten (1993) model conflicts particularly with the ACRIM composite by exhibiting opposite trends during the so-called ACRIM-gap, making Scafetta's extension of Hoyt and Schatten (1993) with ACRIM invalid. Thus, with Egorova et al. (2018) exceeding the Yeo et al. (2020) physical constraint, and considering the multiple methodological issues identified with the Hoyt and Schatten (1993) series (Chatzistergos (2024)), the resulting conclusions by Scafetta (2023) are unlikely. Furthermore, Scafetta himself acknowledged that even when allowing for solar effects beyond radiative forcing, the solar influence remains minimal with the CMIP6 TSI forcing. Therefore, the claim that solar influence accounts for more than 80% of warming is unsupported.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://doi.org/10.1007/s11207-024-02262-6"](https://doi.org/10.1007/s11207-024-02262-6) \h]

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MISLEADING

There are numerous candidate processes, including solar ultraviolet changes; energetic particle precipitation; atmospheric-electric-field effect on cloud cover; cloud changes produced by solar-modulated galactic cosmic rays; large relative changes in the magnetic field; and the strength of the solar wind. Such solar indirect effects are not included in climate models, although indirect methods of estimating their impacts suggest they are significant.

[[HYPERLINK "https://www.mps.mpg.de/solar-physics/staff/27560"](https://www.mps.mpg.de/solar-physics/staff/27560) \h],

astrophysicist, Max Planck Institute for Solar System Research

It is exaggerated and incorrect to claim that the impacts of such effects are significant. Many of these effects are described vaguely in the DoE report, making their implications unclear (for example, "large relative changes in the magnetic field") without specifying what that entails. Additionally, the influence of cosmic rays on cloud formation has been shown to be negligible, as demonstrated by the CLOUD experiment at CERN (Pierce (2017)). While some effects on Earth's atmosphere from other processes have been studied (e.g., Mironova et al. (2015) and Sinnhuber & Funke (2020)), their effects are generally considered to be small.

Quote given to Carbon Brief

Supporting evidence

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MISLEADING

However, the recommended forcing dataset for the CMIP6 climate model simulations used in AR6 for attribution studies averages two data sets with low solar variability (Matthes, (2017)).

[[HYPERLINK "http://www.personal.reading.ac.uk/~ym901336/index.html"](http://www.personal.reading.ac.uk/~ym901336/index.html) \h], professor of space environment physics and president of the Royal Astronomical Society, University of Reading

The statement is true, but very misleading as it is made to sound that larger TSI-drift papers were ignored. There is only one very high TSI drift reconstruction and it is very much an outlier – other reconstructions show much smaller drift. There is also analysis of recent solar cycles that shows that the low TSI change reconstructions are correct.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://royalsocietypublishing.org/doi/10.1098/rspa.2020.0077"](https://royalsocietypublishing.org/doi/10.1098/rspa.2020.0077) \h]

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MISLEADING

However, the impact of solar variations on the climate is uncertain and subject to substantial debate (Lockwood (2012); Connolly et al. (2021)) – something that is not evident in the IPCC assessment reports.

[[HYPERLINK "http://www.personal.reading.ac.uk/~ym901336/index.html"](http://www.personal.reading.ac.uk/~ym901336/index.html) \h], professor of space environment physics and president of the Royal Astronomical Society, University of Reading

This is highly misleading as it conflates regional and global climate. The cited references were discussing regional climates where there is more uncertainty and some (limited) solar influence through downward propagation of stratospheric responses, especially in winter. The global climate is not open to such uncertainty. The cooling (as opposed to warming) of the global stratosphere shows conclusively that the effect of solar change on the global climate is minimal compared to effects of changing solar irradiance.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.pnas.org/doi/10.1073/pnas.1305332110"](https://www.pnas.org/doi/10.1073/pnas.1305332110) \h]

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MISLEADING

However, the recommended forcing dataset for the CMIP6 climate model

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solar variability (Matthes (2017)).

[[HYPERLINK "https://www.geomar.de/en/kmatthes"](https://www.geomar.de/en/kmatthes) \h], director, GEOMAR Helmholtz Centre for Ocean Research Kiel

It is correct that the long-term trend in TSI is rather on the low variability side, but it is completely ignored that other more extreme trends (high variability trends) are completely unrealistic. We only provide an extreme Maunder Minimum case as a sensitivity experiment.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://gmd.copernicus.org/articles/10/2247/2017/"](https://gmd.copernicus.org/articles/10/2247/2017/) \h]

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MISLEADING

While AR6 shows a substantially greater solar impact than does AR5, the overall impact of solar forcing on the climate was still assessed to be small compared to anthropogenic forcing. However, the impact of solar variations on the climate is uncertain and subject to substantial debate (Lockwood (2012); Connolly et al. (2021) – something that is not evident in the IPCC assessment reports. The variations of TSI over time remains a challenging problem. Since 1978, there have been direct measurements of TSI from satellites. However, the data exhibits non-negligible inconsistencies, and interpreting any multi-decadal trends in TSI requires comparisons of observations from overlapping satellites. There are several rival composite TSI datasets that disagree as to

whether TSI increased or decreased during the period 1986-96 (the ACRIM gap; see Chapter 4). Further, the satellite record of TSI is used to calibrate proxy models that infer past solar variations from sunspots and cosmogenic isotope measurements (Velasco Herrera et al. (2015)). There is substantial evidence for high solar activity in the second half of the 20th century (starting in 1959) and extending into the 1990s, before a decline in the early 21st century; this period is often termed the "Modern Maximum". (Chatzistergos et al. (2023); Solanki et al. (2004); Usoskin et al. (2007)). However, some scientists have concluded that it is not possible to be confident of any multi-decadal trend in TSI (Schmutz (2021)). This uncertainty causes some reconstructions of TSI from 1750 to have low variability (implying a very low impact of solar variations on global mean surface temperature) whereas datasets with high TSI variability can explain more than 70% of the temperature variability since pre-industrial times (Scafetta (2013); Stefani (2021)). The choice of TSI satellite record used in an analysis can therefore substantially influence how much climate change is attributed to human versus natural forcings.

[[HYPERLINK "https://www.geomar.de/en/kmatthes"](https://www.geomar.de/en/kmatthes) \h], director, GEOMAR Helmholtz Centre for Ocean Research Kiel

In Matthes et al. (2017), we conclude the following two points (just as an example of mis-citation):

- 1) A new and lower TSI value is recommended: the contemporary solar-cycle average is now $1,361.0 \pm 0.5 \text{ W/m}^2$ (Prša et al. (2016)).
- 2) Over the last three solar cycles in the satellite era, there is a slight negative TSI trend in the CMIP6 dataset. A recent reconstruction of the TSI, with a proper estimation of its uncertainties, suggests that this downward trend between the solar minima of 1986 and 2009 is not statistically significant

(Dudok de Wit et al. (2017)). The TSI trend leads to an estimated radiative forcing on a global scale of -0.04 W/m^2 , which is small in comparison with other forcings over this period.

Therefore the sentence in the DoE report stating that the “choice of TSI satellite record used in an analysis can therefore substantially influence how much climate change is attributed to human versus natural forcings” is completely wrong and ignores the thorough science. The radiative forcing to this natural forcing – even if we would have chosen a different TSI dataset – is small (-0.04 W/m^2).

The next completely wrong statement is that “such solar indirect effects are not included in climate models”. In Matthes et al. (2017), we provide a comprehensive dataset including TSI and solar spectral irradiance data as well as solar particle forcing for the first time. We also provide an ozone dataset with the indirect effect included. Many of the CMIP6 models do include spectral solar irradiance as well as ozone changes, so the indirect effect and some even the particle effects. I am really shocked about these wrong statements. The IPCC is based on sound scientific evidence and this DoE report is kicking the evidence with feet. Misinterpreting and mis-citing or not at all citing important work (such as the important parts of Matthes et al. (2017) where we provide sound scientific evidence and discuss the details) – this is just horrible. By taking out only parts of the story and “simplifying it”, it is becoming simply wrong. This is not sound science.”

Quote given to Carbon Brief

Supporting evidence

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8.4 Declining planetary albedo and recent record warmth

Page 90

MISLEADING

Arguably the most striking change in the Earth's climate system during the 21st century is a significant reduction in planetary albedo since 2015, which has coincided with at least two years of record global warmth. Figure 8.2 shows the planetary albedo variations since 2000, when there are good satellite observations. The 0.5% reduction in planetary albedo since 2015 corresponds to an increase of 1.7 W/m² in absorbed solar radiation averaged over the planet (Hansen and Karecha (2025)). For comparison, Forster et al. (2024) estimate the current forcing from the increase in atmospheric CO₂ compared to pre-industrial times to be 2.33 W/m².

[[HYPERLINK "https://environment.leeds.ac.uk/see/staff/1267/professor-piers-forster"](https://environment.leeds.ac.uk/see/staff/1267/professor-piers-forster) \h], professor of climate physics, University of Leeds

[The citation] is correct, but it presents a somewhat incomplete comparison with the absorbed solar radiation. One's a very long-term forcing, the other is a mix of forcing and response over a shorter period, so the two numbers are not very comparable. All Earth's energy budget terms need to be considered and understood together. And when all components are analysed together, the cause of the Earth's energy balance can be traced to GHG warming and the Earth's system response with a good degree of certainty, as explained by the

Hodnebrog et al. (2024) paper already referenced. This text as written is ok, but for me it plays up the uncertainties somewhat.

Quote given to Carbon Brief

Supporting evidence

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FALSE

Arctic sea ice extent has declined by about 5% since 1980

Anonymous

September sea ice (1979-88 average compared to 2015-24 average) is 34% lower today according to OSISAF [Ocean and Sea Ice Satellite Application Facility] observations and 35% lower according to NSIDC [National Snow and Ice Data Center]. For the annual mean sea ice extent, the percentage reduction is 14% according to NSIDC and OSISAF. The number is higher in summer because that is when there is the most sea ice loss and the seasonal minimum, so the least amount to start with. In addition, the evidence given to support this statement links to a figure showing sea ice decline in Antarctica in July.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://osi-saf.eumetsat.int/products/osi-420"](https://osi-saf.eumetsat.int/products/osi-420) \h]

[[HYPERLINK "https://nsidc.org/sea-ice-today/sea-ice-tools" \h](https://nsidc.org/sea-ice-today/sea-ice-tools)]

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

...although following 2007 there has been a pause in the Arctic sea ice decline (England et al. (2025)).

Anonymous

What they say is true and is correctly cited, but lacking context. In the latest version published recently [the DoE report cites a preprint version], the authors note that they “find that the existence of this slowdown also predisposes the sea ice cover for a more rapid decline in the near future”. They add that they “would like to underscore that pause or slowdown are used interchangeably to refer to an extended period with little or no decline in sea ice cover, due to the observed realisation of multi-decadal climate variability on top of the response to anthropogenic forcing, temporarily interrupting the ongoing long-term reduction in Arctic sea ice. This does not imply a cessation of human-induced climate change and, instead, it is likely that sea ice would have increased over this period without human influence.”

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2025GL116175?af=R" \h](https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2025GL116175?af=R)]

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

Regarding Antarctic sea ice, the IPCC AR6 concludes that "There has been no significant trend in Antarctic sea ice area from 1979 to 2020 due to regionally opposing trends and large internal variability." (Summary for Policymakers, A.1.5)

Anonymous

While this is true, it is misleading because they neglect to mention that Antarctic sea ice cover has had a dramatic decline since 2015 and the last few years have seen record lows. Studies have found that these record lows were unlikely to have happened before over the last century. Missing out the last few years of Antarctic sea ice trajectory is a huge omission.

Quote given to Carbon Brief

Supporting evidence

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8.4 Declining planetary albedo and recent record warmth

Pages 101-103

MISLEADING

Section 8.4

[[HYPERLINK "https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html"](https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html) \h], climate physicist and group leader, Alfred Wegener Institute

The authors manage to avoid statements that are individually clearly wrong. It is even somewhat difficult to nail down individual sentences that would be clearly misleading taken alone, because that depends on the context they are placed in. However, considering the section as a whole, I think it's pretty clear that they are over-emphasising uncertainties and the possible relative role of natural variability while down-playing the two other main possible mechanisms behind the albedo decline of the last two and a half decades, namely a possibly emerging positive low-cloud feedback and (largely indirect) aerosol effects.

Quote given to Carbon Brief

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

Section 8.4

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

I did not spot major errors in the section on planetary albedo, although I consider that there is an emphasis on abruptness of temperature and albedo changes, which artificially emphasise the role of natural variability. which could be misleading.

Quote given to Carbon Brief

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

A sharp recent increase in global average temperatures has raised the question of short-term drivers of climate. One such candidate is the fraction of absorbed solar radiation which has also increased abruptly in recent years. The question is whether the change is an internal feedback to warming caused by greenhouse gases, or whether something else increased the fraction of absorbed radiation which then caused the recent warming.

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

A "sharp recent increase in global temperature" and "the fraction of absorbed solar radiation which has also increased abruptly" are potentially misleading since while both global surface temperature and absorbed solar radiation have varied with ENSO, they have also increased steadily over time (Loeb et al. (2024) and Forster et al. (2024)). This wording could artificially emphasise the role of natural variability.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://doi.org/10.1007/s10712-024-09838-8"](https://doi.org/10.1007/s10712-024-09838-8) \h]

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

Arguably the most striking change in the Earth's climate system during the 21st century is a significant reduction in planetary albedo since 2015, which has coincided with at least two years of record global warmth.

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

Planetary albedo has decreased before 2015 as well as after, though the decreases are larger around 2012-14 (increases in absorbed sunlight in Loeb et al. (2024), Fig. 5a). Decreases in reflected sunlight up to 2016 are captured by some climate models applying observed SST (Loeb et al. (2020)), suggesting that they are a response to global warming and its spatial pattern (Andrews et al. (2022)), though it is not clear how much of the pattern of global warming is explained by radiative forcing and how much internal variability.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "http://doi.org/10.1029/2019GL086705"](http://doi.org/10.1029/2019GL086705) \h]

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

The issue then becomes the cause of the change in cloud cover. Two explanations have been posited for the declining cloud cover over the past decade: • Natural climate variability • Changes in low cloud cover associated with warming sea surface temperatures, implying an emerging positive feedback to climate change (Hansen and Karecha (2025))

[[HYPERLINK "https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html"](https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html) \h], climate physicist and group leader, Alfred Wegener Institute

Maybe even more importantly, they omit the third major possible mechanism behind the cloud-cover decline altogether, namely indirect aerosol effects. They do mention aerosols and recent aerosol emission reductions, but only prior to the part where they state that the main reason for the albedo-decline seems to be related to clouds (which, by itself, is true). They write: “The issue then becomes the cause of the change in cloud cover. Two explanations have been posited for the declining cloud cover over the past decade.” However, the indirect aerosol effect, although uncertain, is likely even stronger than the direct aerosol effect, and it is an important candidate for explaining a part of the recent cloud-cover decline. By omitting this completely, they further emphasise the relative importance of natural variability to a degree that can not be considered appropriate.

Quote given to Carbon Brief

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

Surface albedo changes have thus contributed only weakly to the recent planetary albedo decline, particularly when averaged annually and globally.

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

Surface albedo has also contributed significantly to the decline in global albedo according to Loeb et al. (2024), which accounts for cloud masking: "...part of the positive –SW trend is impacted by decreases in surface albedo from declining sea-ice coverage during the CERES period". However, this applies to the period since 2000, rather than during 2015, which line 10 [of the DoE report] is referring to, while the decrease in planetary albedo has been observed over the full CERES period rather than just in 2015 (Loeb et al. (2024)).

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://doi.org/10.1007/s10712-024-09838-8"](https://doi.org/10.1007/s10712-024-09838-8) \h]

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MISLEADING

Loeb et al. found that decreases in low- and mid-level clouds since 2015 are the primary reason for decreasing planetary albedo in the northern hemisphere, whereas in the southern hemisphere the decrease in planetary albedo is primarily due to decreases in mid-level clouds across all latitude zones.

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

The stated "decreases in low- and mid-level clouds" is misleading since Loeb et al. (2024) find decreases in cloud cover and also reflectance have contributed to the increase in absorbed sunlight along with surface albedo decreases (that can be related to ice melt elsewhere in the article): "[W]e find that decreases in low

and middle cloud fraction and reflection and reduced reflection from cloud-free areas in mid-high latitudes are the primary reasons for increasing ASR [absorbed solar radiation] trends in the [northern hemisphere]...In the [southern hemisphere] the increase in ASR is primarily from decreases in middle cloud reflection and a weaker reduction in low-cloud reflection." The increase in reflection counters arguments presented that the decreases in aerosol are not influencing the decreases in albedo as their effect on making clouds brighter diminishes (e.g. Hodnebrog et al. (2024)), while the additional steady rise in ASR during the CERES period is also consistent with cloud and ice-albedo feedbacks to warming (Forster et al. (2021); Tselioudis et al. (2025); and Norris et al. (2016)) as well as declining global aerosol emissions (Quaas et al. (2022)).

Quote given to Carbon Brief

Supporting evidence

[HYPERLINK "<https://doi.org/10.1007/s10712-024-09838-8>" \h]

8.4 Declining planetary albedo and recent record warmth

Page 91

MISLEADING

The issue then becomes the cause of the change in cloud cover. Two explanations have been posited for the declining cloud cover over the past decade: • Natural climate variability • Changes in low cloud cover associated with warming sea surface temperatures, implying an emerging positive feedback to climate change (Hansen and Karecha (2025))

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/" \h](https://research.reading.ac.uk/meteorology/people/richard-allan/)], professor of climate science, University of Reading

Two explanations for decreased global albedo are presented, but the decline in ocean aerosols is ignored and this has been identified as an important driver of decreased global albedo (e.g. Hodnebroeg et al. (2024)). Combined with overemphasis of the abruptness of changes, this is potentially misleading since it overemphasises the role of natural variability.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://doi.org/10.1038/s43247-024-01324-8" \h](https://doi.org/10.1038/s43247-024-01324-8)]

8.4 Declining planetary albedo and recent record warmth

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MISLEADING

It is not easy to justify a new positive low cloud feedback that began emerging in 2015 since there is no obvious feedback trigger starting at that time.

[[HYPERLINK "https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html" \h](https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html)], climate physicist and group leader, Alfred Wegener Institute

I think this is an example of a "straw man argument", because it's clear that there would not be a trigger starting exactly at some point. Rather, a forced signal (like a positive cloud feedback) would be superimposed by natural variations, and at some point, depending on signal-to-noise ratio (and possible other forcings) and how the associated forcing grows, the forced signal can

emerge from the noise. An associated timeseries may just look like something kicked in at a specific time.

Quote given to Carbon Brief

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MISLEADING

However, there are numerous natural climate signals during this period that are associated with atmospheric circulation changes that can influence the distribution of clouds:

- *The 2014-16 was one of the strongest El Niño events on record.*
- *A cold anomaly beginning in 2015 in the subpolar gyre of the North Atlantic reflects a shift in the ocean circulation pattern associated with decadal variability in the Atlantic (Frajka-Williams et al. (2017); Arthun et al. (2021)).*
- *The Pacific Decadal Oscillation positive index peaked in 2016, then declined and has been in negative territory since late 2019.*
- *Eruption of the submarine Hunga-Tonga volcano in 2022.*

[[HYPERLINK "https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html"](https://www.awi.de/en/about-us/service/expert-database/translate-to-english-helge-goessling.html) \h], climate physicist and group leader, Alfred Wegener Institute

When it comes to natural variability, they are listing quite comprehensively which aspects of natural variations could – in principle – have had an impact on planetary albedo, in part also overemphasising some aspects that rather clearly can not have had a major impact on the longer-term decline, such as ENSO (as we also investigated in our paper). Also their interpretation of results for the

Hunga Tonga eruption and its possible contribution to the recent warming

surge seems not to be a balanced representation of the recent literature about it, which does not suggest a major contribution. Also, they provide their list of natural variability aspects right after the down-playing statement about the possible low-cloud feedback mentioned above, saying: "However, there are numerous natural climate signals during this period that are associated with atmospheric circulation changes that can influence the distribution of clouds." This shows quite clearly that they want to emphasise the natural variability over the possible low-cloud feedback.

Quote given to Carbon Brief

8.4 Declining planetary albedo and recent record warmth

Page 92

MISLEADING

It is not easy to justify a new positive low cloud feedback that began emerging in 2015 since there is no obvious feedback trigger starting at that time.

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

A change in the SST pattern has been linked to a decline in low-altitude cloud over some stratocumulus regions (Andrews et al. (2022) and Loeb et al. (2020)) and it is misleading to paint these changes as requiring new feedbacks.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "http://doi.org/10.1029/2019GL086705"](http://doi.org/10.1029/2019GL086705) \h]

8.4 Declining planetary albedo and recent record warmth

Page 92

MISLEADING

A change of 1-2% in global cloud cover has a greater radiative impact on the climate than the direct radiative effect of doubling CO₂.

[[HYPERLINK "https://research.reading.ac.uk/meteorology/people/richard-allan/"](https://research.reading.ac.uk/meteorology/people/richard-allan/) \h], professor of climate science, University of Reading

Short-term interannual fluctuations are unfairly compared with long-term radiative forcing. Also, a decrease in global albedo is an expected consequence of global warming as feedbacks cause ice to melt and some clouds to diminish (e.g. Forster et al. (2021)). This signal in shortwave radiation is seen to a greater extent than in the longwave since decreases in outgoing longwave due to rising greenhouse gases being offset by the increases in outgoing longwave from the resulting higher temperatures that are influenced by the greenhouse gases, but also declining aerosol and feedbacks that amplify the warming through ice melt and cloud responses to warming (e.g. Raghuraman et al. (2024)).

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.ipcc.ch/report/ar6/wg1/chapter/chapter-7/"](https://www.ipcc.ch/report/ar6/wg1/chapter/chapter-7/) \h]

8.6 Extreme event attribution (EEA)

Page 96

FALSE

The existence of an outlier at the end of a data series poses the problem that estimates of the event probabilities will be biased whether the outlier is included or excluded (Barlow et al. (2020)). Methods to eliminate the bias have not yet been established.

[[HYPERLINK "https://iac.ethz.ch/people-iac/person-detail.html?persid=335613%20https%3A//people.epfl.ch/anthony.davison%3Fla%3Den"](https://iac.ethz.ch/people-iac/person-detail.html?persid=335613%20https%3A//people.epfl.ch/anthony.davison%3Fla%3Den) \h], research scientist, professor of mathematics, ETH Zurich, École Polytechnique Fédérale de Lausanne

The text suggests that the presence of the trigger event at the end can't be dealt with, whereas the argument in Barlow and in our paper is that it can be dealt with (if the selection event is known) with appropriate statistical methods specifically detailed in both papers.

Quote given to Carbon Brief

Supporting evidence

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8.6 Extreme event attribution (EEA)

Page 96

MISLEADING

Methods to eliminate the bias have not yet been established, leading some experts (e.g. Miralles and Davison (2023)) to argue that in settings in which a data series contains a single extreme event at the end, estimation of a return period for the extreme event will be so biased and uncertain that it should be avoided altogether.

[[HYPERLINK "https://iac.ethz.ch/people-iac/person-detail.html?persid=335613%20https%3A//people.epfl.ch/anthony.davison%3Flang%3Den"](https://iac.ethz.ch/people-iac/person-detail.html?persid=335613%20https%3A//people.epfl.ch/anthony.davison%3Flang%3Den) \h], research scientist, professor of mathematics, ETH Zurich, École Polytechnique Fédérale de Lausanne

The cited paper does argue that the estimated return period is highly variable and so one should avoid using it, but also states that if it has to be used, one should clearly state its uncertainty. It does not imply that fast weather attribution should not be performed at all.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://doi.org/10.1016/j.wace.2023.100584"](https://doi.org/10.1016/j.wace.2023.100584) \h]

8.6 Extreme event attribution (EEA)

Page 97

MISLEADING

Zeder et al. (2023) also concluded that the methods employed by Philip et al. (2022, the WWA analysis) tend to overstate the rarity of extreme heat waves, leading to a biased perception of the effect of climate change on the heatwave event: “The tendency to overestimate the return period of observed extreme heatwave events may fuel the impression that seemingly impossible heatwave extremes are currently clustering at an unprecedented rate.”

[[HYPERLINK](https://usys.ethz.ch/en/people/profile.MTE5NTkw.TG1zdC82MzcsMzIwMTk3)

"<https://usys.ethz.ch/en/people/profile.MTE5NTkw.TG1zdC82MzcsMzIwMTk3>

MjIy.html" \h], lecturer at the department of environmental systems science, ETH

Zurich

The quote taken from the paper Zeder et al. (2023) led by my (former) PhD student, Joel Zeder, is in itself correct, yet taken completely out of context. Our paper shows indeed that when using relatively short observational timeseries, return level estimates may be systematically underestimated and return periods may be overestimated, which affects the calculation of the risk ratio in attribution studies. We further concluded that the risk of extreme heatwaves could be underestimated in both past and present-day climate and recommend following an approach like Miralles and Davison (2023). This paper applied the recommended approach specifically to the 2021 Pacific north-west heatwave. However, both Miralles and Davison (2023) and Zeder et al. (2023) show that while methodological choices affect the exact estimate of the risk ratio, all estimates show a strong role of long-term warming increasing the probability of the event.

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Part III: Impacts on ecosystems and society

9.1 Econometric analyses

Page 104

FALSE

Bareille and Chakir (2023) assembled a large data base on farm sale prices in France for properties that sold twice between 1996 and 2019. They could

replicate pessimistic results showing negative effects of warming on agricultural land values using conventional econometric modelling.

[[HYPERLINK "https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/"](https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/)], researcher in economics, INRAE & University Paris-Saclay

Bareille and Chakir (2023) do reproduce the standard results obtained from “conventional econometric modelling” like the Ricardian approach proposed by Mendelsohn et al. (1994). However, these standard results in no way demonstrate “negative effects of warming on agricultural land values”. Rather, as illustrated in Figure 5 of their study, Bareille and Chakir (2023) closely mimic the outcomes of the Ricardian approach in similar contexts, which points to slightly positive impacts of climate change on farmland values. Such findings are consistent with the broader literature when applied to contexts with moderate climate conditions. Nevertheless, as has been extensively discussed, these results are likely subject to bias arising from omitted variables.

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9.1 Econometric analyses

Page 104

FALSE

But by taking advantage of the repeat sales data, which provides information on site-specific changes in land prices, they found the results reversed and

implied that climate change will be very beneficial for French agriculture.

[[HYPERLINK "https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/"](https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/) \h], researcher in economics, INRAE & University Paris-Saclay

Bareille and Chakir (2023) do not identify any negative impacts of climate change on land values; across all methodologies they employ, the evidence consistently points toward positive effects of recent climate trends.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.sciencedirect.com/science/article/abs/pii/S0095069623000402"](https://www.sciencedirect.com/science/article/abs/pii/S0095069623000402) \h]

9.1 Econometric analyses

Page 104

MISLEADING

But by taking advantage of the repeat sales data, which provides information on site-specific changes in land prices, they found the results reversed and implied that climate change will be very beneficial for French agriculture.

[[HYPERLINK "https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/"](https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/) \h], researcher in economics, INRAE & University Paris-Saclay

These results are derived from recent climate trends over the period 1990-2020 in the context of French agriculture. While such moderate warming may generate short-term benefits for agriculture, more substantial – and as yet unobserved – warming is likely to result in losses. It is well established that

higher temperatures induced by climate change can produce non-linear effects,

with moderate warming potentially yielding gains, but more pronounced warming leading to detrimental impacts.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.nature.com/articles/nature15725"](https://www.nature.com/articles/nature15725) \h]

9.1 Econometric analyses

Page 104

MISLEADING

But by taking advantage of the repeat sales data, which provides information on site-specific changes in land prices, they found the results reversed and implied that climate change will be very beneficial for French agriculture.

[[HYPERLINK "https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/"](https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/) \h], researcher in economics, INRAE & University Paris-Saclay

While such a result may arise in contexts like France (where northern regions remain, for the time being, too cold to cultivate high-value crops), these findings are highly context-specific and cannot be generalised to other settings. This is particularly true for a large and heterogeneous country like the US, where both climatic and agricultural conditions differ substantially from those in France. Bareille and Chakir (2023) provide indirect evidence that the positive impacts of recent climate change on French agriculture identified with their approach are likely driven by vineyard expansion, a phenomenon highly specific to France and not transferable to the US context.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.journals.uchicago.edu/doi/full/10.1093/reep/rex017"](https://www.journals.uchicago.edu/doi/full/10.1093/reep/rex017) \h]

9.1 Econometric analyses

Page 104

MISLEADING

The authors concluded that, taking adaptation into account, a warming climate would yield positive benefits for French agriculture that were between two and 20 times larger than had previously been estimated. On average, with full adaptation, they concluded that climate changes under the medium RCP4.5 scenario could double the value of French farmland by 2100.

[[HYPERLINK "https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/"](https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/) \h], researcher in economics, INRAE & University Paris-Saclay

These results are obtained using a novel method, the so-called repeat-Ricardian approach. In contrast to other studies cited in the report – such as Mendelsohn et al. (1994), Deschênes and Greenstone (2007), Schlenker and Roberts (2009) and Burke and Emerick (2016) – this approach has not yet been replicated in other contexts. Its findings should therefore be interpreted with caution. By comparison, dozens of replications and extensions of Deschênes and Greenstone (2007), Schlenker and Roberts (2009) and Burke and Emerick (2016) consistently document negative impacts of climate change on crop productivity in the US, but also worldwide.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.nature.com/articles/s41586-025-09085-w"](https://www.nature.com/articles/s41586-025-09085-w) \h]

9.1 Econometric analyses

Page 105

MISLEADING

A major deficiency of all these studies, however, is that they omit the role of CO₂ fertilisation. Climate change as it relates to this report is caused by GHG emissions, chiefly CO₂. The econometric analyses referenced above focus only on temperature and precipitation changes and do not take account of the beneficial growth effect of the additional CO₂ that drives them.

[[HYPERLINK "https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/"](https://psae-saclay.fr/en/membres-de-lunite/francois-bareilleinrae-fr/) \h], researcher in economics, INRAE & University Paris-Saclay

All of these studies implicitly account for the effects of CO₂ fertilisation on agriculture insofar as local CO₂ concentrations are correlated with changes in temperature and precipitation. Moreover, Hultgren et al. (2025) show that the positive effects of CO₂ fertilisation only partially offset the negative impacts of anthropogenic climate change on crop yields arising from changes in temperature and precipitation.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.nature.com/articles/s41586-025-09085-w"](https://www.nature.com/articles/s41586-025-09085-w) \h]

9.2 Field and laboratory studies of CO₂ enrichment

MISLEADING

One of the ways the effect of CO₂ on crop growth has been studied is through “free air enrichment experiments” or FACE plots, in which small sources of CO₂ are placed in fields surrounding plants and the growth response to elevated CO₂ under varying weather conditions are recorded. Ainsworth et al. (2020) summarises results from about 250 such studies. They found that elevation of CO₂ by 200ppm caused an average 18% increase in crop yield in C₃ plants. C₄ plants exhibited benefits mainly under drought conditions.

[[HYPERLINK "https://lab.igb.illinois.edu/long/"](https://lab.igb.illinois.edu/long/) \h], Ikenberry Endowed University Chair, University of Illinois

While this report is correct in saying that, in isolation, our research has shown that an increase in CO₂ does (on average for C₃ crops) results in increased yields and decreased quality, and that it can increase water use efficiency. But when account is taken of the accompanying changes in tropospheric ozone, temperature, atmospheric water vapor pressure deficit and extreme drought, heat and flooding events then the overall effect of GHG driven climate and atmospheric change is strongly negative.

Quote given to Carbon Brief

9.3 Crop modeling meta-analyses

Page 107

MISLEADING

McKittrick (2025) re-examined the Moore et al. database and found that, while it claimed to cover 1,722 studies, only half the entries (N=862) had complete

records, so that the sample available for regression analysis was much smaller than both studies indicated. McKittrick noted that the records most commonly missing were the changes in ambient CO2 and found that in many cases these could be recovered from the underlying studies or the original climate scenario tables, thereby increasing the usable sample size by 40%. The crop yield projections incorporating the newly available data changed considerably. As shown in Figure 9.2, whereas the partial data set implied warming would decrease yield (blue lines), the complete data set implied constant or increase global yields, even out to 5C warming (green lines).

[[HYPERLINK "https://www.iri-thesys.org/people-pages/delphine-deryng-dr/"](https://www.iri-thesys.org/people-pages/delphine-deryng-dr/) \h], lead author, IPCC AR6 WG2

Regression analysis of historical climate impacts on crop yield do not capture the impact of non-linear processes, such as effects of extreme heat stress occurring at crop anthesis. Hence the conclusion based on a single approach is misleading (Moore et al. (2017) and McKittrick (2025)). The IPCC assessed a range of peer-reviewed publications based on regression analysis and process-based models, also including the CO2 fertilisation effects (for example, see AR6 WG2, chapter 14, p1,956, for synthesis on US agriculture).

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.ipcc.ch/report/ar6/wg2/chapter/chapter-14/"](https://www.ipcc.ch/report/ar6/wg2/chapter/chapter-14/) \h]

9.4 CO2 fertilization and nutrient loss

Page 107

MISLEADING

Evidence has shown that CO₂-induced biomass gains are sometimes accompanied by reductions in the concentrations of protein and other key nutrients such as iron and zinc (Ebi et al. 2021)."

[[HYPERLINK "https://interactive.carbonbrief.org/doe-factcheck/index.html"](https://interactive.carbonbrief.org/doe-factcheck/index.html) \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

All plants absorb carbon dioxide from the atmosphere, using photosynthetic pathways to break down that carbon dioxide into carbon and oxygen, and then using the carbon to grow. Eighty-five percent of plants use a photosynthetic pathway that, based on biochemical characteristics, is termed C₃; these C₃ plants include important crops such as wheat, rice, barley, oats, rye, soybean and potatoes. Field experiments with wheat and rice under a doubling of CO₂ from pre-industrial concentrations demonstrate that protein declines by about 10%, B-vitamins by as much as 30% and micronutrients by about 5% (see Ebi et al. (2021) and associated references). Wheat and rice each provide about 20% of calories consumed worldwide, with wide regional variability (Awika (2011) and Shiferaw et al. (2013)). Corn, sorghum and millet use a different photosynthetic pathway (C₄) and are not expected to experience declines in nutrient density with higher CO₂ concentrations. The DoE CWG report conflates these two photosynthetic pathways into "sometimes" without being clear that declines in nutrient density are consistently seen under elevated CO₂ for C₃ crops (Loladze (2002) and (2014); Loladze et al. (2019); Myers et al. (2014); Taub et al. (2008); J. Wang et al. (2019) and (2020); and Zhu et al. (2018)), which are widely consumed in the US.

The DoE CWG report also ignores a key fact raised in Ebi et al. (2021) that

elevated CO2 and elevated temperature can increase toxins such as arsenic and cadmium in crops (Dhar et al. (2020); Farhat et al. (2021) and (2023); Guo et al. (2011); Muehe et al. (2019); J. Wang et al. (2019); Y. Wang et al. (2023); and Yuan et al. (2021)), not just dilute nutrients. Ingestion of toxins in food results in illness, shortened life span, reduced quality of life and death (Gibb et al. (2019)).

Quote given to Carbon Brief

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9.4 CO2 fertilization and nutrient loss

Page 107

MISLEADING

Some experiments have shown that the rising temperatures expected to accompany higher CO2 levels will offset this loss (Köhler et al. (2019)) although the evidence for this is mixed, as is the evidence that nutrient dilution observed to date is entirely attributable to higher CO2 (Ziska (2022)).

[HYPERLINK."https://interactive.carbonbrief.org/doe-factcheck/index.html" \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

Some experiments have shown that rising temperatures expected to accompany higher CO₂ levels can offset nutritional losses (Köhler et al. (2019) and, while the DoE CWG report acknowledges that evidence for this temperature compensation is mixed, it fails to cite studies that found partial or no compensation in nutritional density when elevated CO₂ was crossed with elevated temperature (e.g., Jayawardena et al. (2021); J. Wang et al. (2019); Wei et al. (2021); and Ziska et al. (1997)). On the flip side of crop nutritional quality, increased temperatures are expected to increase toxin levels in crops. Wang et al. (2020) found that while warmer temperatures moderately mitigated the loss of nutrients associated with elevated CO₂, the warmer temperatures simultaneously increased manganese, molybdenum, chromium, nickel, cadmium and lead concentrations in rice and wheat. A study investigating arsenic contamination of rice found that grain arsenic concentrations were more elevated when elevated CO₂ was combined with elevated temperature than when either elevated CO₂ or elevated temperature operated alone (Muehe et al. (2019)).

The second half of the statement above (i.e., "... as is the evidence that nutrient dilution observed to date is entirely attributable to higher CO₂") draws an incorrect conclusion from Ziska (2022). Ziska (2022) presents a figure (Figure 1) that shows newer breeding lines of spring wheat have less percent protein, but that all the breeding lines have experienced declines in percent protein over the 20th century. Thus, Ziska (2022) acknowledges that breeding can change nutritional density but ultimately concludes that "[CO₂] is directly affecting protein concentration separate from breeding history".

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9.4 CO2 fertilization and nutrient loss

Page 107

MISLEADING

If nutrient dilution does occur under rising CO2 levels, there are several adaptive strategies that could be pursued. First, selective breeding to raise micronutrient content is already established (Saltzman et al. (2017)) and has proven to be a cost-effective agronomic strategy (Ebi et al. (2021)).

[[HYPERLINK "https://interactive.carbonbrief.org/doe-factcheck/index.html"](https://interactive.carbonbrief.org/doe-factcheck/index.html) \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

Biofortification via selective breeding has been used successfully to raise the zinc, iron and vitamin A content of crops, per Saltzman et al. (2017). However, this approach is not a “proven” agronomic strategy, cost-effective or otherwise, for addressing simultaneous nutrient dilution by elevated CO2. Ebi et al. (2021) specifically stated: “An additional challenge for biofortification is the tendency of rising CO2 concentrations to diminish the concentrations of multiple nutrients concomitantly (Loladze (2014a) and (2014b)) in contrast to biofortification that targets only one or a few selected nutrients.” Further,

biofortification cannot address the issue of increased toxin levels in crops associated with elevated CO2 and CO2-induced warming.

Quote given to Carbon Brief

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References

Page 108

FALSE

*Deryng, D., Elliott, J., Folberth, C. et al. (2021) Regional disparities in the beneficial effects of rising CO2 concentrations on crop water productivity. Nature Climate Change 6, 786–790 (2016).
<https://doi.org/10.1038/nclimate2995>*

[[HYPERLINK "https://www.iri-thesys.org/people-pages/delphine-deryng-dr/"](https://www.iri-thesys.org/people-pages/delphine-deryng-dr/) \h], lead author, IPCC AR6 WG2

The date of the citation is incorrect, and I didn't find reference to this paper in the text of the chapter

Quote given to Carbon Brief

9.4 CO2 fertilization and nutrient loss

Page 108

MISLEADING

Optimal strategies will be location-specific because they vary by crop, climate and soil type (Ebi et al. (2021)).

[[HYPERLINK "https://interactive.carbonbrief.org/doe-factcheck/index.html"](https://interactive.carbonbrief.org/doe-factcheck/index.html) \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

Developing new cultivars requires significant investments and generally take years (see CGIAR programmes). Such programmes will not be developed locally, nor will the investment make sense if the developed cultivar only applies to a specific location.

Quote given to Carbon Brief

Supporting evidence

[[HYPERLINK "https://www.cgiar.org/"](https://www.cgiar.org/) \h]

9.4 CO2 fertilization and nutrient loss

Page 108

MISLEADING

Second, fortification of food products with micronutrients is already routine. Folic acid (a B vitamin) is added to flour and many other foods; iodine is added to table salt, most commercial breakfast cereals are fortified with iron and numerous vitamins, etc. Third, dietary supplements in the form of multivitamin tablets are inexpensive, widely-available and routinely consumed.

[[HYPERLINK."https://interactive.carbonbrief.org/doe-factcheck/index.html"](https://interactive.carbonbrief.org/doe-factcheck/index.html) \h
], and Dr Becca Neumann, associate professor of civil and environmental
engineering

Fortification and dietary supplements do not currently alleviate nutrient deficiencies; therefore, it is unlikely that such approaches will alleviate nutrient deficiencies in the future, particularly if they are exacerbated by lower crop nutrient density. For example, 30% of women and girls worldwide (15-49 years) currently have iron-deficiency anemia (World Health Organization, 2025), including nearly 40% of women and girls (12-21 years) in the US (Weyand et al. (2023)). These deficiencies exist despite decades of dietary supplement availability (Macdougall (2017)). The DoE CWG report ignores that high CO₂ concentrations affect a wide range of macro and micronutrients beyond iron and zinc, such as lithium (for mental health), magnesium (for muscle and nerve function, blood pressure regulation, bone health and energy production) and others (Loladze (2014)). Dietary supplements do not address these critical contributions to hidden hunger (Wallace et al. (2014)). US government guidelines emphasise that supplements are not an adequate substitute for a nutrient dense diet (US Department of Agriculture and US Department of Health and Human Services (2010)). Further, fortification of food or use of supplements will not address the health risk posed by increased toxin concentrations in grain associated with elevated CO₂ and CO₂-induced warming.

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9.4 CO2 fertilization and nutrient loss

Page 108

MISLEADING

One concern about reliance on adaptive strategies is whether they are feasible

in low-income countries. Micronutrient deficiency is already a problem in the developing world and dietary supplements have proven to be an effective low-cost response (Ebi et al. (2021)).

[[HYPERLINK "https://interactive.carbonbrief.org/doe-factcheck/index.html"](https://interactive.carbonbrief.org/doe-factcheck/index.html) \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

As noted in the previous comment, micronutrient deficiency is a health problem in developing and developed countries; dietary supplements have not solved the problem. Micronutrient deficiency is expected to increase with elevated CO₂ (Beach et al. (2019); Smith and Myers (2019); Weyant et al. (2018); and Zhu et al. (2018)). As supplements have been unable to fully address the current deficiencies in micronutrients, it is unlikely they will successfully ameliorate a future increased health burden caused by nutrient dilution in crops. In addition, as noted in the previous comment, supplements will not address the health issues posed by increased toxin concentrations in grain expected with elevated CO₂ and CO₂-induced warming.

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9.4 CO₂ fertilization and nutrient loss

Page 108

MISLEADING

It should also be noted the IPCC emission scenarios that generate high levels of warming also involve strong income growth. The SSP scenarios assume that, compared to 2005 levels, global per capita income will double by 2100 in the lowest growth case (SSP3), and in the highest emission case (SSP5) global per-capita income will grow nearly 16-fold. In that scenario even the poorest regions (Africa and the Middle East) end up with a per capita income of about US\$126,000, 70% higher than current US per capita income (about US\$75,000). Consequently the same scenarios in which CO₂ levels increase the most are also those in which global poverty is largely eliminated, in which case all countries would be able to afford dietary supplements as necessary to address micronutrient deficiencies, if they arise and cannot be addressed using on-farm agricultural strategies.

[[HYPERLINK "https://interactive.carbonbrief.org/doe-factcheck/index.html"](https://interactive.carbonbrief.org/doe-factcheck/index.html) \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

The US is one of the wealthier countries in the world, yet many US citizens

suffer from micronutrient deficiencies. Wallace et al. (2014) used data from the

National Health and Nutrition Examination Survey (2007-10) to determine that despite the fact that 51% of Americans consume multivitamin/mineral supplements with greater than nine micronutrients, many fail to meet the estimated average requirement for vitamin A (35%), vitamin C (31%), vitamin D (74%), vitamin E (67%), vitamin K (77%), calcium (39%), magnesium (46%), potassium (100%) and choline (92%). Bird et al. (2017) concluded that “nearly one-third of the US population is at risk of deficiency in at least one vitamin, or has anemia”.

Growth and development of children and lifespan health depends on adequate intake of micronutrients. Decreasing the nutrient density of diets through continued emissions of CO₂ will exacerbate the situation, even with any associated income growth. Ingestion of toxins in food is a global problem that affects the health of millions of people, including those living in wealthy countries (Consumer Reports (2012) and (2014); and Gibb et al. (2019)). A growth in income will not offset the health risk posed by contaminated food. It is expected that this health risk will grow as elevated CO₂ and CO₂-induced warming increase the toxin content of crops (Dhar et al. (2020); Farhat et al. (2021) and (2023); Guo et al. (2011); Muehe et al. (2019); J. Wang et al. (2019); Y. Wang et al. (2023); and Yuan et al. (2021).

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9.4 CO2 fertilization and nutrient loss

Page 108

MISLEADING

In summary, there is abundant evidence going back decades that rising CO2 levels benefit plants, including agricultural crops, and that CO2-induced warming will be a net benefit to US agriculture. To the extent nutrient dilution occurs there are mitigating strategies available that will need to be researched and adapted to local conditions.

[HYPERLINK "https://interactive.carbonbrief.org/doe-factcheck/index.html" \h], and Dr Becca Neumann, associate professor of civil and environmental engineering

There is abundant evidence that under ideal conditions (i.e., adequate nutrients and water and optimal temperatures), crop productivity increases with rising CO2 levels (e.g., Ainsworth & Long (2020)). These increases diminish or disappear when conditions are non-ideal (i.e., nutrients are limited, water and temperatures are sub-optimal). As CO2 concentrations increase, ambient temperatures will continue warming and weather patterns will shift, altering water and nutrient availability. It is not clear that boosts in productivity generated by elevated CO2 will compensate for the damage to plant productivity caused by these other stressors. In many parts of the world, even with adaptation, crop yields are expected to decline (Hultgren et al. (2025)). Further, discussed in the comments above, elevated CO2 is associated with

declining nutrient density in crops. Therefore, it is disingenuous to state that

there is “abundant evidence going back decades that rising CO2 levels benefit plants”. This statement cherry-picks the productivity boost to plants associated with rising CO2 levels while ignoring the negative human health outcomes that will co-occur. The scientific consensus is that CO2-induced warming will be harmful to US agriculture, leading to yield declines (Hu et al. (2024); Hultgren et al. (2025); Lobell et al. (2011); Lobell and Field (2007); and Zhao et al. (2017)). Physiological studies of crops show there is an optimal temperature at which yields maximise. When temperatures are below or above this optimal point, yields decline.

Further, as outlined in the comments to Section 9.4 above, CO2-induced warming is associated with increased toxin levels in crops. It is factually inaccurate to state that “CO2-induced warming will be a net benefit to US agriculture”. There are strategies, such as biofortification and supplementation, that can be employed to help mitigate nutrient dilution in crops, as discussed in Ebi et al. (2020). However, as outlined in the comments above, these approaches currently do not address nutrient deficiencies and therefore it is unrealistic to expect that they will be able to address future nutrient deficiencies exacerbated by rising CO2 levels and crop nutrient density. Further, these strategies will not solve the problem of increased concentrations of toxins in crops associated with increased CO2 and/or CO2-induced warming.

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10.3 Mortality from temperature extremes

Pages 122-124

MISLEADING

Section 10.3.1

[HYPERLINK "https://www.lshtm.ac.uk/aboutus/people/gasparrini.antonio" \h], biostatistician and epidemiologist, London School of Hygiene & Tropical Medicine

In relation to my area of research, the report cites two articles (Gasparrini (2015) and Zhao (2021)) in support of the statement that cold-related mortality far exceeds heat-related mortality in most of the regions. While true, this says little about the impact of climate change on temperature-related deaths. In fact, the focus should be on the respective (and opposite) change in the heat and cold contributions, not their absolute values. In this respect, there is some evidence that the expected reduction in cold-related mortality will not offset the increase in heat-related mortality, in particular under more extreme climate change scenarios (Gasparrini (2017) and Masselot (2025)). More importantly, the level of adaptation to heat required to offset such a positive net effect should be very high, in the order of 90% reduction (Masselot (2025)).

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11 Climate change, the economy, and the social cost of carbon

Page 116

FALSE

An influential study in 2012 suggested that global warming would harm growth in poor countries, but the finding has subsequently been found not to be robust. Studies that take full account of modelling uncertainties either find no evidence of a negative effect on global growth from CO2 emissions or find poor countries as likely to benefit as rich countries.

[[HYPERLINK "https://profiles.sussex.ac.uk/p289812-richard-tol" \h](https://profiles.sussex.ac.uk/p289812-richard-tol)], professor at the department of economics, University of Sussex

“The second sentence is wrong. The authors refer to “studies”, but without references. Tol (2024) finds that the then-available studies jointly point to a negative impact of climate change on global economic growth. My less systematic reading of the literature since has not led me to change my mind. Their conclusion that ‘poor countries’ are ‘likely to benefit’ is again not backed up with references. Tol (2024), the only reference in the paragraph, concludes the opposite.”

Quote from [[HYPERLINK "https://richardtol.substack.com/p/is-climate-change-dangerous" \h](https://richardtol.substack.com/p/is-climate-change-dangerous)]

Supporting evidence

[[HYPERLINK "https://www.sciencedirect.com/science/article/pii/S0301421523005074" \h](https://www.sciencedirect.com/science/article/pii/S0301421523005074)]

11.1 Climate change and economic growth

MISLEADING

Nor have past extreme weather events had a significant effect on US banks' performance (Blickle et al. (2021)); warming has even been shown to be beneficial for the finance and insurance sector (Mohaddes et al. (2023)).

[[HYPERLINK "https://www.jbs.cam.ac.uk/people/kamiar-mohaddes/" \h](https://www.jbs.cam.ac.uk/people/kamiar-mohaddes/)],
deputy director of the Cambridge executive MBA programme,
University of Cambridge

“The way our findings have been presented is misleading...Investigating the long-term macroeconomic effects of climate change across 48 US states, we provide evidence for the damage that climate change causes in the US using various economic indicators at the state level: growth rates of Gross State Product (GSP), GSP per capita (income), labour productivity and employment as well as output growth in 10 economic sectors (e.g. agriculture, manufacturing, services, retail and wholesale trade). Just to be clear, (1) these are not ‘small negative effects’ and (2) we do indeed show that climate change has negative effects on income in the US. We show that while [weather shocks](#) have level effects (or temporary growth impacts), climate change – by shifting the long-term average and variability of weather – impacts the US economy’s ability to grow in the long term! We study economic activity in all sectors of the US economy –agriculture, forestry & fisheries; mining, construction, manufacturing, transport, communications and public utilities, wholesale trade, retail trade, financial services & property, services and government –and find that the impact of climate change on sectoral output growth is broad based – each of the 10 sectors considered is affected by at least one of the four climate

variables.”

Quote from [external source](#)

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11.2 Models of the social cost of carbon

Page 121

MISLEADING

Economists use IAMs to compute the SCC. Two of the best-known are the Climate Framework for Uncertainty, Negotiation and Distribution (“FUND”, Tol 1997) and Nordhaus’ DICE. EPA (2023) introduced new ones for its recent work. IAMs embed a “damage function” or set of functions relating ambient temperature to local economic conditions. The assumptions embedded in the damage function will largely determine the resulting SCC. IAMs also assume a long-term discount rate or, as in DICE, compute the optimal internal discount rate as part of the solution.

[[HYPERLINK "https://profiles.sussex.ac.uk/p289812-richard-tol"](https://profiles.sussex.ac.uk/p289812-richard-tol) \h], professor at the department of economics, University of Sussex

“The literature is vast. I counted 446 papers with estimates. There are numerous commentaries; and two handfuls of meta-analyses (e.g. Tol (2023) and Moore et al. (2024)). Instead, the authors wrote their own review, which omits the most influential papers and misses key insights. Cherry-picking may be a better term than review.”

Quote from [[HYPERLINK "https://richardtol.substack.com/p/is-climate-change-dangerous"](https://richardtol.substack.com/p/is-climate-change-dangerous) \h]

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11.2 Models of the social cost of carbon

Page 123

FALSE

Tol (2017) estimates that the private benefit of carbon is large relative to the social cost.

[[HYPERLINK "https://profiles.sussex.ac.uk/p289812-richard-tol" \h](https://profiles.sussex.ac.uk/p289812-richard-tol)], professor at the department of economics, University of Sussex

“This paper was never published in a peer-reviewed journal and is therefore not admissible by the rules of the US government. The paper was peer-reviewed and rejected, because my private benefit [of carbon] is an average, whereas the social cost is a marginal. The two cannot be compared (unless you make a ridiculous assumption about linearity). I still hope to fix the paper one day. As it stands, however, the comparison is wrong.”

Quote from [[HYPERLINK "https://richardtol.substack.com/p/is-climate-change-dangerous" \h](https://richardtol.substack.com/p/is-climate-change-dangerous)]

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[[HYPERLINK "https://ideas.repec.org/p/sus/susewp/0717.html" \h](https://ideas.repec.org/p/sus/susewp/0717.html)]

Glossary

IPCC: The Intergovernmental Panel on Climate Change, the UN body for assessing the science related to climate change. IPCC works in five-to-eight year cycles and comprises three working groups of scientists, each focusing on different aspects of climate science and the response to climate change. Each assessment cycle, scientists appointed by the IPCC produce three reports summarising the latest climate science, as well as “special reports” and a synthesis report, which serve as key inputs to international climate negotiations.

WG1/2/3: The three working groups of the IPCC. Working Group I (WG1) deals with the physical science basis of climate change, Working Group II (WG2) with climate change impacts, adaptation and vulnerability and Working Group III (WG3) with mitigation of climate change.

AR6: The [[HYPERLINK "https://www.carbonbrief.org/carbon-briefs-definitive-guide-to-the-entire-ipcc-sixth-assessment-cycle/" \h](https://www.carbonbrief.org/carbon-briefs-definitive-guide-to-the-entire-ipcc-sixth-assessment-cycle/)] of the IPCC, which was published in 2013-14.

AR5: The [[\] of the IPCC, which was published in 2013-14.](https://www.carbonbrief.org/carbon-briefs-guide-to-the-intergovernmental-panel-on-climate-changes-fifth-assessment-report/)

CMIP5/6: The Coupled Model Intercomparison Project (CMIP) is the international modelling effort that feeds into the IPCC's influential assessments. CMIP5 was developed for AR5, while [[\] was developed for AR6.](https://www.carbonbrief.org/qa-how-do-climate-models-work/)

Methodology

The DoE report references around 350 sources. Of these, around 240 are peer-reviewed research papers. Other sources include books, commentary articles

and letters published in journals, as well as “[[HYPERLINK](https://library.leeds.ac.uk/info/1110/resource-guides/7/grey-literature) "https://library.leeds.ac.uk/info/1110/resource-guides/7/grey-literature" \h]” literature, such as study preprints, blog posts, news articles and government websites.

For this factcheck, Carbon Brief emailed the corresponding authors of all 240 peer-reviewed studies. If the corresponding author did not respond or the email address bounced, Carbon Brief contacted another report author – typically the lead author, if separate to the corresponding author.

In 20 cases, the corresponding author was also an author on the DoE report itself. These authors were not invited to factcheck their own work.

Carbon Brief asked the corresponding authors to read the section of the report that cites their work and to identify if it uses their work to make “misleading” or “false” statements.

False was described as “statements/statistics that are factually incorrect or untrue”.

Misleading was described as “statements/statistics that are presented in a way that distort the meaning, create a false impression or omit/cherry-pick crucial details”.

(Carbon Brief also invited various topic experts to contribute their responses. Respondents were also invited to forward Carbon Brief’s request to other experts.)

Carbon Brief's factcheck also includes comments from scientists who have already reacted to the DoE report in public, via media articles, social media or

blog posts. Links to these sources are included with the relevant responses.

Carbon Brief ensured that any scientists contributing to the factcheck in an anonymous capacity have the appropriate expertise to comment on the sections of the report that they factchecked.

Any pages with “misleading” and “false” statements are shown in orange and red, respectively, in the main graphic. Pages that are not coloured are either accurate, or have not yet been factchecked.

There has been some [[HYPERLINK](#)

["https://bsky.app/profile/climateofgavin.bsky.social/post/3lvedvwuj422b"](https://bsky.app/profile/climateofgavin.bsky.social/post/3lvedvwuj422b) \h] that artificial-intelligence tools might have been used to generate some parts of the report, particularly the citations, due to some “hallucinatory”-type mistakes. For example, a [[HYPERLINK "https://www.carbonbrief.org/qa-social-cost-carbon/"](https://www.carbonbrief.org/qa-social-cost-carbon/) \h] [[HYPERLINK "https://www.carbonbrief.org/qa-social-cost-carbon/"](https://www.carbonbrief.org/qa-social-cost-carbon/) \h] is cited, but the credited author is mistakenly listed as another Carbon Brief journalist.

However, Carbon Brief ran samples of the report’s main text through several AI text checker tools and found there is a “very low probability” they were generated using AI. It was not possible to do similar checks of the report’s citations.

Carbon Brief invites any scientists who notice further errors in the report to email [[HYPERLINK "mailto:info@carbonbrief.org"](mailto:info@carbonbrief.org) \h].

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NS = No Specifics

Is convinced extreme weather is getting worse due to humans. NS

Kudos to CWG. Many comments on earth's climate history. NS

"Appalled". Advises global values of increasing extremes (but did not contradict US extremes)

Water vapor enhancement issues. NS

Suggests Dark Matter (Dark Energy) may be important. NS

Kudos to CWG

Kudos to CWG. Comments on radiation and CO2 v Temp causality

"Cherry-picking, non publishing climate scientists paid by fossil fuel interests", NS

Advises checking US Temperatures for negating CO2 v Temp relationship. NS

Kudos to CWG

GMST is meaningless - ref. C. Essex

PDF document. Complains of process, indicating the Secretary is at fault. NS
Complaints, NS

PDF. Misrepresenting ECS, Solar Variability, extreme events, sea level rise, scenarios, UHI, etc. No counter

Kudos to CWG

Kudos to CWG

Kudos to CWG

Links to reports that scientists claim they were misused in CWG. NS

Very Long, Advises geoengineering. NS

"citations aren't real, clear use of AI". NS

Kudos to CWG

Kudos to CWG

Adivises defering to "Global Expert Consensus" or IPCC. NS

Kudos to CWG

Suspects AI likely did the report. Claims error in citation Lee, S., Byrne, et al 2024. Wrong paper.

Complaints, NS

Kudos to CWG, mitigation must be stopped

Kudos to CWG

Complaints, NS, Christy and Spencer use "fake data"

Complaints, NS

Complaints that extreme weather section is "misleading". Needs "viewpoint diversity". NS

Advises citing statistics for last 20 years on health impacts to capture very recent trends.

"laughable". NS

Claims of extreme weather are "categorically false". CO2 is poisonous. NS

Complaints, NS

"Child's statement of lies." NS

Claims heat mortality section based on old publications. Provides others that say heat mortality is increasing. Kudos to CWG. Notes that Grok's analysis of the report is misleading.

Complaints, NS

Complaints, NS

"Blatently false information". NS

Misleading comments on McKinnons paper, advises stating background is warming in PacNw

Expectant mom wants to save her child from climate change. NS

Complaints, NS

Sec 6.2 - wants slope and p-value for hurricane trends

"foolish and hubristic". NS

~evidence offered.

sing. Sec 10.3

Monthly Anomalies		0	1	2	3	4	5	6	7
		ACCESS-CM2	ACCESS-ES	AWI-CM-1	BCC-CSM2	CAMS-CSM	CanESM5-1	CanESM5/	CanESM5/
		r1i1p1f1							
1850	1	2.09125	-1.44388	-0.33337	-3.51254	-2.29495	-1.70963	-1.70963	1.36469
1850	2	-0.19574	-1.53687	0.720367	1.45929	-0.9101	-0.41608	-0.41608	3.10034
1850	3	0.16156	0.151489	1.29507	-1.97427	0.273224	-0.23584	-0.23584	5.21182
1850	4	-2.79398	-1.1138	-1.78168	1.81622	0.247559	0.548431	0.548431	2.02423
1850	5	0.216614	-0.50858	-1.16263	0.649536	-3.12689	-1.12439	-1.12439	0.501587
1850	6	-0.749634	3.608	-1.52975	-3.79114	-1.33481	0.363342	0.363342	-2.02087
1850	7	-1.19635	1.49643	-2.12973	-4.76553	-1.0813	-1.5961	-1.5961	0.404785
1850	8	-1.08548	3.77478	-2.82016	-1.69171	0.198486	-1.23444	-1.23444	0.236267
1850	9	0.155121	-1.42667	-3.24677	-3.3486	1.33728	-1.60992	-1.60992	1.13806
1850	10	1.56241	0.785736	1.38531	-4.13373	-3.44034	-2.48395	-2.48395	-0.84863
1850	11	-9.12E-03	1.29984	2.6517	-0.8204	-1.89E-02	0.536865	0.536865	-2.3237
1850	12	0.704987	3.3985	-2.03156	-1.61484	2.39465	3.93591	3.93591	-0.38156
1851	1	3.16644	-0.8851	-3.15417	-4.65756	2.28644	-2.81201	-2.81201	0.265564
1851	2	1.85187	-6.28415	0.676392	2.5874	3.15509	-0.15808	-0.15808	4.68515
1851	3	0.86084	-1.29761	2.74435	3.80124	1.4805	1.55084	1.55084	1.60181
1851	4	0.590424	-0.23019	-2.4169	-2.09286	-1.42755	1.05283	1.05283	-1.13748
1851	5	2.76541	-1.41168	-1.03763	-2.14026	-0.13187	1.25671	1.25671	-1.4631
1851	6	-0.921814	-0.57629	-1.04166	-0.29865	0.64209	-1.23148	-1.23148	-0.67148
1851	7	-1.59915	1.69241	-2.48004	-1.27261	1.31229	5.27E-02	5.27E-02	0.329468
1851	8	0.28421	0.965179	-3.31644	0.909576	2.51218	1.48846	1.48846	1.66586
1851	9	-0.292084	-1.59616	-2.26736	1.9639	0.341187	-0.68112	-0.68112	-0.98044
1851	10	2.32028	-1.33255	0.761292	-4.2012	-1.88034	0.186035	0.186035	-1.11142
1851	11	0.65976	-4.47906	-0.81781	-1.2688	-0.91077	-1.46542	-1.46542	0.587006
1851	12	4.15228	-6.6528	1.70895	-0.16101	-0.57126	2.255	2.255	2.03741
1852	1	0.956421	0.997498	-0.20767	0.196655	-1.15158	0.744202	0.744202	3.73587
1852	2	3.86856	0.698151	0.910492	0.756897	0.394012	5.63141	5.63141	2.60175
1852	3	3.82974	-1.4884	3.40417	-1.75717	-3.88107	1.52994	1.52994	3.04321
1852	4	2.4649	-0.2345	3.30911	-2.33176	-1.64523	2.32663	2.32663	3.81042
1852	5	1.64832	-1.9585	-2.32123	0.41983	-3.31339	-0.1424	-0.1424	-1.48312
1852	6	2.07318	-1.20438	-1.21725	-1.15326	-3.14059	1.06604	1.06604	0.500427
1852	7	-0.545654	-0.99008	-1.99503	-1.91434	-0.97272	-0.87952	-0.87952	-2.73392
1852	8	3.72742	4.47E-02	-3.55484	0.671997	-0.37051	-2.25385	-2.25385	-2.37283
1852	9	3.98E-01	0.144257	0.542542	-1.48071	8.48E-03	2.28049	2.28049	-2.67725
1852	10	-2.121	2.32596	-1.35458	1.0051	-1.37692	-4.34586	-4.34586	0.391388
1852	11	-0.805542	-0.89697	0.802002	2.26898	-2.36276	-0.35382	-0.35382	-5.45789
1852	12	2.38278	-1.36108	-1.57086	0.33548	1.05276	-1.9762	-1.9762	-2.51416
1853	1	2.65344	-2.526	0.174347	-4.78775	-1.99747	1.28259	1.28259	-4.26593
1853	2	0.596588	0.895447	1.66428	-1.02771	-4.09061	3.26E-02	3.26E-02	-1.44354
1853	3	-7.47E-02	1.41519	1.86246	-3.49527	-1.58859	-1.39706	-1.39706	-4.7175
1853	4	1.54E+00	2.16461	-6.31839	3.00885	9.52E-02	0.245453	0.245453	-2.31879

1853	5	1.1113	-1.06E-02	-2.85593	-1.21878	-0.53198	-1.39E-02	-1.39E-02	-0.4819
1853	6	-0.130737	-1.49728	-0.70566	-0.51154	-2.03918	-1.70505	-1.70505	-2.03226
1853	7	-1.29056	-0.63678	0.332977	-0.24661	-4.37512	-2.43182	-2.43182	-2.17743
1853	8	-3.88528	-1.72552	-1.80167	1.9798	-1.58054	-2.64365	-2.64365	-3.78806
1853	9	-2.23737	-3.96317	-4.55496	-0.33679	-1.34802	-1.81802	-1.81802	-2.81226
1853	10	2.3707	-0.27805	0.324005	-5.06082	0.335663	0.783936	0.783936	-1.02402
1853	11	-2.03494	1.07224	2.24429	0.223572	1.38434	-1.28372	-1.28372	-2.91409
1853	12	2.79956	1.05322	-1.62854	-0.21133	3.47986	-1.96899	-1.96899	-2.31418
1854	1	1.60724	0.999023	1.16125	-0.13696	-3.77255	3.18909	3.18909	2.66376
1854	2	1.71027	3.05765	0.481476	-0.34271	2.9657	0.191101	0.191101	-0.39813
1854	3	1.80484	0.851196	-2.31464	0.226532	0.168518	-0.93207	-0.93207	1.5784
1854	4	-0.113098	0.478027	-2.7663	-3.58E-02	0.81604	1.26382	1.26382	1.02103
1854	5	0.775604	1.5365	-3.38904	3.50992	-2.78506	-1.9903	-1.9903	-1.5311
1854	6	-6.50E-01	2.39462	0.216339	0.434448	2.01E-02	-1.83817	-1.83817	-0.62778
1854	7	-0.605743	-2.20877	-1.96442	2.65E-02	0.212097	-2.04202	-2.04202	-2.3157
1854	8	0.708008	0.748779	-2.64575	-0.15881	-1.00153	-1.41922	-1.41922	-1.56125
1854	9	1.41443	3.47385	-2.73386	-2.07471	-0.27182	-2.57434	-2.57434	-1.91803
1854	10	-0.333191	4.24786	-2.77359	0.893799	-1.47345	-4.93207	-4.93207	-2.58032
1854	11	-2.02054	1.80124	0.779907	-5.09003	1.10324	0.59256	0.59256	-0.57349
1854	12	-0.825439	-0.8728	-4.74677	1.63947	-1.96634	-2.27087	-2.27087	-1.11627
1855	1	-0.631073	-2.3544	-2.40936	2.33694	1.21503	-0.7309	-0.7309	0.607056
1855	2	-2.19653	-0.21857	1.34927	-0.57712	-2.63141	4.6734	4.6734	1.17636
1855	3	-1.01E+00	1.77469	-2.16745	2.32333	2.15E-02	-1.55325	-1.55325	1.55682
1855	4	1.99139	0.121429	-1.71948	0.715729	1.53134	0.451843	0.451843	-1.0925
1855	5	2.01941	9.04E-02	-0.27283	2.15234	-1.62619	-1.91058	-1.91058	-3.27072
1855	6	-3.06241	0.681122	-2.15527	-0.57925	-0.9375	-2.05878	-2.05878	-2.21027
1855	7	0.117645	2.4877	-2.50174	1.34259	-1.60492	-1.73849	-1.73849	-1.79312
1855	8	1.75372	4.36948	-2.86954	1.42987	-3.29391	-2.92725	-2.92725	-0.37045
1855	9	1.96E+00	-0.51816	-2.66705	-0.54279	2.69E-03	-3.12753	-3.12753	-5.72736
1855	10	-2.79572	-1.09314	1.3179	-5.21472	-0.51074	-2.90967	-2.90967	-0.30533
1855	11	-2.27893	-0.14545	-0.17539	0.442474	1.96823	-0.26914	-0.26914	-1.66351
1855	12	-0.178528	-2.69028	0.377136	1.26328	-2.62625	4.4971	4.4971	1.52573
1856	1	2.52484	2.18311	-1.69565	-0.84445	0.809723	1.99509	1.99509	2.45566
1856	2	1.01236	0.363647	1.31198	3.88638	1.68869	2.46591	2.46591	6.77E-02
1856	3	0.113556	2.73969	1.05807	2.09503	-0.71079	0.309631	0.309631	-1.79929
1856	4	1.59332	8.80E-02	-1.42908	2.29575	-0.25833	-0.59348	-0.59348	1.81293
1856	5	0.469299	0.775604	-2.38974	-1.83676	-0.81937	-1.44128	-1.44128	0.158203
1856	6	0.195374	0.274597	0.107117	-5.02963	-1.23779	-1.73175	-1.73175	-1.01978
1856	7	1.31274	0.937103	-2.26654	-2.41272	-0.10172	-3.9093	-3.9093	-1.72141
1856	8	0.972137	-0.47421	-2.49905	1.1709	1.20236	-0.78284	-0.78284	-2.89655
1856	9	0.532928	-5.49225	-0.55246	9.46E-02	0.922882	-1.17993	-1.17993	-4.58484
1856	10	-1.4035	-2.19556	-2.0351	1.6167	1.10117	-3.35706	-3.35706	-1.80353
1856	11	4.06238	-2.00076	1.49609	-0.92081	-2.51587	0.197357	0.197357	-2.5174
1856	12	1.70328	-0.60199	-0.48087	0.924774	-2.00266	2.05902	2.05902	-6.61478
1857	1	3.50912	0.893311	-3.17197	1.14264	-4.03735	-0.93222	-0.93222	-0.32474
1857	2	3.85147	3.59824	3.20227	-4.33591	1.1524	1.03281	1.03281	2.14536
1857	3	1.62E-02	1.95837	6.61465	-0.85297	2.5531	-0.54947	-0.54947	-3.32489

1857	4	-0.333191	-2.04639	3.60831	2.96344	-0.87174	-0.14298	-0.14298	-0.80719
1857	5	-0.981781	-1.1203	-3.11725	-0.43796	0.933319	-0.34619	-0.34619	-4.06262
1857	6	-1.61972	0.157013	-0.33817	-0.30594	-1.5896	-2.14465	-2.14465	-0.54797
1857	7	0.181946	-0.2269	-1.45984	1.78958	-0.63272	-2.76962	-2.76962	0.325867
1857	8	-1.87E-02	1.06808	-0.67105	1.1868	-4.16861	-3.72943	-3.72943	-1.52835
1857	9	-2.53839	-2.38037	-1.31094	0.491608	1.04239	-0.74832	-0.74832	-4.57355
1857	10	-2.4584	-2.39645	-0.9725	-2.45273	0.495178	0.987244	0.987244	-1.51852
1857	11	-1.01303	0.432343	-1.00308	-0.74091	0.978638	-1.46265	-1.46265	-1.59409
1857	12	2.47888	-2.40689	-2.72275	1.14648	-1.94025	-1.16528	-1.16528	-1.69849
1858	1	1.98172	1.44592	-1.00806	-1.83847	-1.68866	1.21848	1.21848	1.37228
1858	2	-0.934021	-1.98328	1.97388	3.29718	2.10431	3.96951	3.96951	3.74255
1858	3	-2.04544	-2.91013	2.50146	2.41275	-1.94067	4.05563	4.05563	-2.4357
1858	4	2.3429	-1.75858	-0.25739	-0.93607	-0.24234	-0.99716	-0.99716	0.631714
1858	5	-0.4151	-1.763	-0.85284	-0.15476	-1.57437	-2.33679	-2.33679	-2.18912
1858	6	-0.492737	-0.73828	-2.36868	-4.75876	-1.4418	-0.49966	-0.49966	-1.91528
1858	7	-4.86E-02	-2.9881	-2.52625	-2.37701	-1.70761	-2.19531	-2.19531	0.460968
1858	8	-1.95E+00	1.4527	-4.08844	-1.2196	8.79E-02	-0.77234	-0.77234	-1.14026
1858	9	-3.59698	-2.34955	-1.93414	-2.31699	-0.4631	-2.42053	-2.42053	-2.66974
1858	10	-0.971008	-2.06046	-1.0849	3.13278	-2.18713	-2.05316	-2.05316	-2.60092
1858	11	-0.551331	-0.28137	-3.3797	1.75848	1.06372	-3.17874	-3.17874	-1.1687
1858	12	-0.324829	7.63E-02	-1.60724	5.07318	-1.30225	1.34961	1.34961	3.42984
1859	1	-1.06696	-0.88959	3.27115	3.46564	-0.37787	-1.72812	-1.72812	1.19678
1859	2	-3.78E+00	-0.39685	0.283081	3.5011	3.42E-02	0.263824	0.263824	2.43826
1859	3	-1.35846	1.5318	-1.55923	-0.88577	-2.20709	3.42786	3.42786	2.45532
1859	4	1.80E-03	-0.7294	4.54E-02	0.903625	-1.20456	-1.70657	-1.70657	2.39511
1859	5	-0.418182	-3.65128	-2.53473	-1.98926	-3.44778	0.227997	0.227997	-0.49402
1859	6	0.800171	-0.53989	-1.04367	-1.36624	-0.21249	-1.31946	-1.31946	-0.66437
1859	7	-1.14404	2.3056	-1.37744	-2.61292	-1.99481	-2.75891	-2.75891	-0.15271
1859	8	-0.476074	1.89297	-1.97824	0.55127	-2.44952	-1.36523	-1.36523	1.36444
1859	9	-5.52979	-0.55426	-2.66135	-5.49E-02	2.6922	-2.13672	-2.13672	-1.13754
1859	10	-2.76581	-4.58896	-3.6087	3.14099	-2.34293	-1.93E-02	-1.93E-02	1.16098
1859	11	0.564972	-0.15637	1.85089	1.23499	-2.55865	-1.25165	-1.25165	1.08209
1859	12	2.87479	1.3428	-3.52466	1.32227	1.51767	0.908417	0.908417	3.89752
1860	1	-1.38846	0.525909	2.42273	0.240631	2.19354	-0.1127	-0.1127	-0.66592
1860	2	3.12738	0.990723	1.88397	-3.62122	0.590393	1.34741	1.34741	2.45935
1860	3	4.26004	1.0177	6.45438	-4.11365	0.878204	0.526154	0.526154	-0.64279
1860	4	1.36612	-2.4697	1.13312	-1.97745	-0.68036	0.147736	0.147736	1.07553
1860	5	2.25662	1.41251	-2.68823	2.65173	-1.06949	1.3064	1.3064	-0.7374
1860	6	-0.195435	-1.2294	0.221527	1.44727	-0.24289	-0.92706	-0.92706	-1.04477
1860	7	-1.72E+00	-1.0647	6.29E-02	-6.13E-03	-2.90E-02	-1.16272	-1.16272	-2.45703
1860	8	2.22293	0.6492	-2.27966	-1.33212	-0.25934	-2.38443	-2.38443	-0.78534
1860	9	-3.45428	-1.48575	-2.31177	-4.29449	-1.53012	-4.25763	-4.25763	-0.33554
1860	10	-2.4541	-6.76846	0.291687	-0.5661	-0.85944	-2.34985	-2.34985	-2.56723
1860	11	0.879272	-0.52487	-1.05728	2.0748	0.612732	1.50067	1.50067	-2.71231
1860	12	-0.643616	-0.20599	-1.26755	2.36456	1.96375	-3.13208	-3.13208	-0.91779
1861	1	-1.69577	-0.67438	-0.91718	-7.37686	2.09714	2.86478	2.86478	2.59827
1861	2	0.154175	2.37485	-3.21411	0.285706	1.2616	3.5473	3.5473	2.20364

1861	3	0.922638	1.51068	3.43E-02	0.62384	-1.4249	-1.16797	-1.16797	-0.3765
1861	4	1.36481	-0.23257	0.696014	-4.76877	-0.88486	0.615326	0.615326	-3.69867
1861	5	-1.043	0.698608	-1.63443	0.27832	-0.69418	2.86E-02	2.86E-02	-1.72571
1861	6	0.957275	-1.5744	-1.69388	1.08975	-2.1178	-0.77756	-0.77756	-0.44489
1861	7	-1.99887	-2.95258	-1.01923	-2.53113	-0.47733	-0.55331	-0.55331	-2.07281
1861	8	-1.93E+00	-2.09442	-3.98816	-0.91193	-1.66E-02	-4.58273	-4.58273	1.26917
1861	9	-1.57379	-3.98785	-3.63025	0.421692	-1.18152	-1.12521	-1.12521	-0.68805
1861	10	-0.799011	-0.60684	1.01529	2.55109	-2.56512	-1.27997	-1.27997	-2.33383
1861	11	0.324982	-0.42206	0.340912	-1.29163	1.00192	0.834351	0.834351	-1.2489
1861	12	0.366577	0.313599	1.39926	-4.47461	-2.01215	1.67172	1.67172	-2.49768
1862	1	1.45663	-2.129	-5.55945	0.603638	-1.42416	1.229	1.229	4.92398
1862	2	-2.80801	-2.36008	-5.1701	2.96249	3.42361	-1.84088	-1.84088	3.75436
1862	3	-5.55E-02	-1.9563	1.80356	1.01233	-2.25488	-4.17545	-4.17545	3.9906
1862	4	1.32611	1.42853	4.44592	2.23914	-0.23364	-5.06705	-5.06705	-1.08038
1862	5	-0.92868	-2.1261	-1.02933	0.265045	1.10873	-1.67041	-1.67041	-5.50E-02
1862	6	0.765686	-2.16809	0.980042	2.23987	0.738098	-2.60696	-2.60696	-1.74927
1862	7	0.113556	0.71521	3.92227	-2.16562	-1.22	-0.63702	-0.63702	-0.69803
1862	8	-1.74438	3.85959	-0.41455	-1.13791	-2.35162	-0.22434	-0.22434	-1.00125
1862	9	-1.02008	-0.60785	-0.14127	3.2713	-3.1651	0.168884	0.168884	-2.44675
1862	10	-0.658691	1.88046	4.65689	0.695099	-0.36133	0.113434	0.113434	1.89249
1862	11	0.924683	0.895844	-1.02341	1.20499	1.31293	-0.96323	-0.96323	-4.72729
1862	12	3.88406	-8.58E-02	0.551544	-1.84482	-0.93295	3.9689	3.9689	-0.83087
1863	1	2.29633	-3.54898	1.38333	-3.43497	-8.60498	-0.1174	-0.1174	1.47437
1863	2	0.589478	-0.28998	1.50797	-5.81332	-2.7825	0.625305	0.625305	0.791443
1863	3	-0.665039	-1.8627	1.85648	-0.38947	0.151428	-4.90756	-4.90756	0.195801
1863	4	1.332	-3.77448	0.758698	3.30154	-1.73575	0.371124	0.371124	-1.97177
1863	5	-1.6842	-3.46249	-1.18134	1.64102	-1.19186	-8.71E-02	-8.71E-02	-3.06631
1863	6	-9.43E-01	-2.9158	-1.34818	-3.24014	3.55E-02	-2.82596	-2.82596	0.549316
1863	7	-2.29477	-1.6951	-0.79633	3.78729	-3.40793	-0.18951	-0.18951	0.593475
1863	8	-2.00659	-2.69031	-0.45456	0.521271	-3.41614	-1.24445	-1.24445	-0.50253
1863	9	0.922638	-2.86694	-0.50345	1.12579	-2.43073	-1.89124	-1.89124	-0.96384
1863	10	-1.7504	-2.31796	1.47549	-1.00021	-0.26425	-0.82816	-0.82816	-1.15823
1863	11	-1.69043	0.51535	-1.44629	2.84018	-1.39948	-0.27225	-0.27225	-2.08301
1863	12	1.19156	-1.80258	0.936737	-0.80032	4.17267	5.44843	5.44843	-0.76117
1864	1	4.23685	-3.58749	1.10E-02	-0.71057	-3.86618	5.28568	5.28568	-2.92093
1864	2	2.07037	-0.62756	-3.92343	2.17078	0.874695	0.220703	0.220703	-1.98816
1864	3	-0.560059	-0.63532	0.162262	-2.41476	-2.0112	-1.06696	-1.06696	-5.17148
1864	4	1.89932	-3.01599	-2.59818	-0.37598	-2.26874	2.91122	2.91122	-3.655
1864	5	0.643219	1.51132	-1.12973	-0.85178	-1.59528	-0.20371	-0.20371	-1.1611
1864	6	-2.50671	1.3595	-0.41428	1.08865	-0.93701	-1.05096	-1.05096	-0.91657
1864	7	-1.18414	-3.86798	-0.88464	-3.40463	-1.47803	-0.27661	-0.27661	-4.49533
1864	8	-0.620575	-1.26642	-4.46844	1.41989	-2.12253	-2.76E-02	-2.76E-02	-1.67706
1864	9	-2.75937	0.293335	-2.20306	-0.83939	-1.7218	-3.14413	-3.14413	-4.51965
1864	10	-1.9613	3.11746	-3.74429	-1.48682	0.363678	0.876251	0.876251	-1.14111
1864	11	2.93188	-0.86737	4.75E-02	-7.19711	-4.40927	2.43277	2.43277	-2.6796
1864	12	1.95306	-1.7493	1.08606	-2.32272	-1.61365	1.43301	1.43301	3.77933
1865	1	6.10733	-1.40649	-4.19897	2.28244	1.15182	-1.49661	-1.49661	-0.48572

1865	2	8.90E-02	-6.50375	-5.96872	5.56461	3.3093	-0.22818	-0.22818	-2.23123
1865	3	-1.76984	0.668182	-4.09015	0.469543	1.4989	0.803345	0.803345	1.90433
1865	4	-2.18008	0.957306	-2.7981	-0.34067	-0.29794	-1.72995	-1.72995	1.03412
1865	5	-0.746582	-0.90369	-1.36932	1.75024	-0.96729	-2.065	-2.065	-0.65241
1865	6	7.87E-03	-0.2215	-1.24457	0.263947	-1.6929	-2.84195	-2.84195	0.369629
1865	7	4.83E-02	0.337708	-1.95593	1.00558	0.257172	-1.3194	-1.3194	-1.18262
1865	8	-2.70E-01	1.5224	-2.56326	1.24707	7.52E-02	-1.82413	-1.82413	-0.74963
1865	9	-1.39789	1.81915	-9.86E-03	-1.40619	-2.69452	-0.94122	-0.94122	-0.96475
1865	10	-2.37921	1.93106	-0.78	-1.59543	-1.67844	-0.61246	-0.61246	-1.94513
1865	11	-0.28064	-1.82126	-3.4606	2.16489	2.38492	0.756073	0.756073	0.465607
1865	12	1.56229	-2.0264	-4.09915	-0.39883	1.38046	4.53421	4.53421	2.88873
1866	1	-3.65787	-3.90891	2.73175	2.32843	0.444336	7.53418	7.53418	4.54407
1866	2	-2.62082	-4.35876	3.72797	1.711	1.28119	-1.15057	-1.15057	0.726044
1866	3	1.77594	-1.80502	3.09598	2.80643	-1.1478	-0.67786	-0.67786	-4.06079
1866	4	3.05872	0.130615	0.986725	0.996033	1.29227	1.87204	1.87204	1.86853
1866	5	-1.40189	0.826111	-0.25794	-2.68546	0.625732	1.00769	1.00769	-1.18451
1866	6	1.58539	-1.83319	-1.46857	-3.81973	-1.88419	-2.44745	-2.44745	-2.36426
1866	7	-1.92416	-2.32718	-1.14844	-0.16242	0.297699	-0.4628	-0.4628	-1.55341
1866	8	-1.39667	-3.3168	-1.28934	3.2067	-0.20682	-2.16034	-2.16034	0.912354
1866	9	0.52182	-4.10754	-0.48846	1.55069	-0.30441	-0.88504	-0.88504	0.46225
1866	10	0.201691	-1.33304	3.37421	-2.8645	-0.88464	-0.75397	-0.75397	2.29987
1866	11	0.154968	-1.39697	2.87082	-3.58582	-2.60257	-0.91263	-0.91263	0.220703
1866	12	1.48138	-1.96008	-1.42886	0.854492	-2.13333	-1.69778	-1.69778	2.00034
1867	1	-4.05228	-3.68149	-5.06815	4.77414	0.397247	3.11429	3.11429	4.12628
1867	2	3.30768	0.417328	-1.30203	-1.18292	2.41269	-2.35309	-2.35309	2.04425
1867	3	0.733337	-0.8851	-1.74493	3.95065	2.11261	0.800232	0.800232	-3.47049
1867	4	0.108124	-0.48367	-3.72229	0.320129	1.95126	-0.49997	-0.49997	1.93652
1867	5	-0.930603	-0.96158	-4.23022	2.91754	-0.88437	1.00742	1.00742	-0.98331
1867	6	-0.41391	-2.4238	-1.63486	-3.93576	-0.14648	0.237946	0.237946	-1.52386
1867	7	1.55954	-1.00668	-3.36133	2.26129	2.8342	-1.54141	-1.54141	-1.7131
1867	8	0.566925	0.597687	-5.11804	0.305878	-1.86603	-3.24762	-3.24762	-1.79834
1867	9	0.968536	0.562439	-3.19485	-5.06641	-1.9548	-3.68903	-3.68903	-0.74564
1867	10	-1.37912	1.39056	-1.66809	-5.52463	-1.19034	-0.52844	-0.52844	1.58517
1867	11	0.116974	2.40115	-0.76111	3.03308	-0.26227	-1.20953	-1.20953	-0.9176
1867	12	-0.867828	-1.32898	-0.57465	-0.71521	0.940948	-3.87399	-3.87399	-1.42E-02
1868	1	0.308838	-0.8226	-2.60947	2.92883	-1.80878	3.40009	3.40009	0.227081
1868	2	2.07257	-2.90497	-1.89041	0.641083	0.990204	-2.1803	-2.1803	1.03436
1868	3	2.31625	-7.3717	1.07745	0.488342	-0.85458	-4.28217	-4.28217	-3.2016
1868	4	0.997406	-1.04938	2.6796	0.497345	0.858246	-3.65646	-3.65646	0.417114
1868	5	8.48E-02	-0.4801	-1.53934	-1.41458	-1.92886	0.509216	0.509216	-1.82562
1868	6	-1.06934	-2.58908	-1.00626	-2.57236	-0.65988	1.60223	1.60223	-0.22748
1868	7	1.96146	1.64151	-0.20764	0.797577	-2.73203	-0.92511	-0.92511	-0.52173
1868	8	2.02582	0.781097	-0.99875	-0.55063	1.02759	-1.98663	-1.98663	-2.09995
1868	9	-0.635284	0.231934	0.886536	2.34451	-2.24811	-0.72452	-0.72452	0.355865
1868	10	0.297302	6.78E-02	-1.28339	2.59589	-1.79703	0.331146	0.331146	-4.07773
1868	11	-1.93604	2.31653	-3.27078	1.59079	-3.87958	-2.43045	-2.43045	-3.444
1868	12	0.372864	1.06631	1.51895	1.40457	-3.13855	-3.8559	-3.8559	1.28284

1869	1	-1.71255	2.57401	4.14795	1.28915	-2.61078	3.09598	3.09598	-0.20593
1869	2	-2.24551	0.645721	3.58777	1.98639	0.481812	-7.93408	-7.93408	-5.39966
1869	3	-0.594543	-0.56992	-5.27985	3.80115	1.08072	1.44894	1.44894	-3.39398
1869	4	-1.1326	0.130524	-3.81549	-1.34058	2.63156	0.476227	0.476227	-1.82547
1869	5	0.208801	-0.396	-3.18784	-0.79318	-0.48407	0.299103	0.299103	0.699402
1869	6	-2.09622	-3.06149	-1.32886	1.42316	-2.09189	0.756042	0.756042	-2.73117
1869	7	-0.948669	-4.409	-2.76624	0.441193	-0.80191	1.02499	1.02499	-2.11923
1869	8	-2.39539	2.89E-02	-5.02695	0.215576	-1.86792	-3.01764	-3.01764	0.815948
1869	9	2.93E-02	-1.41534	-4.98956	0.681396	-1.14481	-4.03583	-4.03583	-1.96603
1869	10	0.804108	-1.92136	-3.05508	-1.21451	0.214874	-0.81427	-0.81427	0.97998
1869	11	3.36E-03	-0.22894	-0.10169	0.429688	-0.63376	0.467468	0.467468	0.5802
1869	12	2.06067	-2.9559	-0.95804	-4.80283	0.389252	-1.73538	-1.73538	0.111511
1870	1	4.03912	-3.2674	8.76E-02	4.25375	3.11972	-0.9075	-0.9075	1.50378
1870	2	-1.74393	2.71432	3.01208	-2.8808	1.80411	-1.36569	-1.36569	2.69E-02
1870	3	2.21936	-2.79022	3.40155	0.585052	0.683502	2.06055	2.06055	-2.50137
1870	4	-1.09088	-0.33557	1.03983	-1.59058	0.621368	8.93E-02	8.93E-02	1.05823
1870	5	-2.18518	-3.17007	1.54037	1.73233	1.20142	-0.40588	-0.40588	1.2081
1870	6	-0.324921	-1.31219	0.149628	0.42395	-0.73459	-1.20456	-1.20456	-0.66538
1870	7	0.629333	1.37741	0.293671	-1.27121	0.46109	-0.69992	-0.69992	0.600281
1870	8	0.362335	1.12408	1.76434	-1.14331	1.17087	-2.61053	-2.61053	0.988739
1870	9	1.05414	2.13556	-0.11505	-1.44019	0.885773	-2.38843	-2.38843	-2.92743
1870	10	-1.74899	-1.12494	3.43781	1.70218	-1.07623	1.82425	1.82425	2.72836
1870	11	1.31458	-1.74506	2.9949	0.348297	1.74344	0.402161	0.402161	-4.45651
1870	12	1.89838	-1.09778	-2.70667	-5.34933	-2.42105	-1.91867	-1.91867	-1.50449
1871	1	-2.14328	-3.18558	1.65964	-8.69055	0.62262	0.834686	0.834686	3.99216
1871	2	-5.49121	-4.52747	-1.31281	-8.75E-02	-1.5173	-2.36249	-2.36249	3.07877
1871	3	-0.488342	-0.72412	1.37558	0.767029	1.8732	-3.66675	-3.66675	2.12E-02
1871	4	2.99301	1.1199	-3.0249	-4.13577	0.599365	-3.67E-02	-3.67E-02	-1.4278
1871	5	1.32E+00	-0.37909	-0.55792	-1.62695	-3.24E-02	-3.12311	-3.12311	0.605774
1871	6	-9.03E-02	-1.2576	-0.78796	-0.42593	-1.95718	-1.08157	-1.08157	-0.54028
1871	7	-5.65E-02	-4.28888	-0.19632	-2.65424	-0.2265	-2.29471	-2.29471	-0.27393
1871	8	-0.520966	-4.16611	-0.41336	0.237091	0.589478	-2.71982	-2.71982	-1.19144
1871	9	-0.312286	-2.16785	-3.87314	-3.3739	-0.87323	-0.42804	-0.42804	0.448273
1871	10	-2.07901	-1.52054	-1.12869	1.20767	-0.88974	-0.33707	-0.33707	-2.46521
1871	11	1.30786	-0.32327	2.22562	-4.4967	-1.80026	0.834961	0.834961	0.348297
1871	12	7.84E-02	-1.36108	1.77765	2.15637	-5.82965	-0.96628	-0.96628	-0.18176
1872	1	-3.93475	-0.82278	2.61194	-3.14426	-2.20908	-0.85452	-0.85452	5.00256
1872	2	1.02908	0.766724	-1.21402	-2.7998	-1.75781	8.98E-02	8.98E-02	-3.19205
1872	3	-0.757843	-1.29611	-0.14533	-2.06287	-0.50357	1.85333	1.85333	-0.91827
1872	4	1.54071	0.817505	-0.74408	-0.91428	-2.08356	-0.81525	-0.81525	-1.36539
1872	5	-0.983795	-0.84888	-1.42023	-0.39078	-0.13388	9.34E-02	9.34E-02	0.652893
1872	6	-2.21582	2.92212	-0.47446	0.479065	-3.69708	-2.63385	-2.63385	-0.61307
1872	7	-2.31E+00	-0.4928	-2.40442	-2.44193	8.70E-03	-0.9964	-0.9964	-1.6907
1872	8	1.78992	-1.8212	-2.89307	-0.99381	-1.40143	-9.83E-03	-9.83E-03	-1.87015
1872	9	-0.643066	-2.54456	-0.82065	1.00571	0.146698	2.70978	2.70978	1.87427
1872	10	0.994995	0.601044	-2.3765	-1.09311	-1.65555	1.19254	1.19254	-0.44693
1872	11	-1.08932	1.75714	4.1088	0.9086	-0.19595	-1.20593	-1.20593	-0.3403

1872	12	-6.44E-03	2.58862	-0.30817	-1.11093	-4.14896	-0.24008	-0.24008	-0.25366
1873	1	1.01083	2.0838	0.182953	-5.98505	-1.60437	6.298	6.298	-1.92963
1873	2	-3.04333	6.45E-02	-1.53503	-3.52591	1.52429	2.52863	2.52863	-5.24396
1873	3	-3.66315	0.56308	-2.86093	1.74155	-3.15869	2.81284	2.81284	-2.91739
1873	4	1.43E+00	0.794403	-2.63449	-2.79346	-4.71E-02	-6.23E-02	-6.23E-02	0.394318
1873	5	0.384796	-0.7641	-0.91663	3.16382	-3.53668	-0.94431	-0.94431	-0.2428
1873	6	-0.91272	-3.1366	-2.00906	-0.48013	-1.04138	-1.55518	-1.55518	1.67233
1873	7	-0.291046	-2.54279	-1.78442	2.90158	-0.92392	-0.5246	-0.5246	0.333496
1873	8	-0.256683	-3.82471	-0.28436	-0.19852	1.52896	-2.57773	-2.57773	-0.23624
1873	9	0.960815	-3.96304	-2.12344	-0.96219	-1.02682	-2.60764	-2.60764	-3.05743
1873	10	1.79498	-0.33255	-0.44598	-2.28061	-0.67593	-1.62497	-1.62497	-1.78772
1873	11	-0.85022	-2.96027	2.01709	-0.8504	-2.18506	-1.52274	-1.52274	-1.34421
1873	12	-1.00613	-3.6955	1.53864	0.212677	-1.88535	-2.9397	-2.9397	0.180634
1874	1	-4.04688	1.0773	-2.41907	1.48575	-3.78397	8.12939	8.12939	-0.21762
1874	2	0.992859	-1.80048	-0.74152	-3.2449	-0.15201	-5.63309	-5.63309	3.39246
1874	3	-0.498444	-9.66E-02	2.16736	2.90845	3.01611	-2.81494	-2.81494	-0.142
1874	4	-1.20929	1.0809	0.808502	6.26672	1.52927	-0.79117	-0.79117	1.35031
1874	5	-0.456085	-2.39868	-1.74414	-1.70065	0.936737	-1.37509	-1.37509	-2.86E-02
1874	6	-0.310028	1.8707	9.45E-02	0.94165	0.2034	-1.30338	-1.30338	-2.08206
1874	7	-0.683167	-3.18158	1.48917	0.594269	-0.9841	-0.25711	-0.25711	-1.8558
1874	8	2.79782	-3.57312	-0.99616	0.565277	-1.62253	-1.29712	-1.29712	-1.81934
1874	9	1.51733	-1.68356	0.391937	0.243011	-2.82022	-2.57443	-2.57443	-0.19824
1874	10	-0.375092	0.84494	-1.34351	-0.72501	-1.07175	0.401733	0.401733	-1.51901
1874	11	-0.641144	0.108643	-1.70551	-3.23322	-0.55478	-2.15393	-2.15393	-1.23569
1874	12	1.26767	-1.18448	0.566437	1.29477	-7.61453	2.08032	2.08032	0.233826
1875	1	2.47913	-2.6734	4.77213	1.75723	-2.58395	-1.30212	-1.30212	-1.77234
1875	2	-2.39001	0.242249	1.04968	4.2247	-0.91888	0.229004	0.229004	1.75446
1875	3	-1.61285	1.62509	1.66696	2.98535	2.1286	2.66495	2.66495	2.42511
1875	4	-1.81198	9.49E-02	-1.9429	0.660736	-0.53894	1.14905	1.14905	1.06433
1875	5	-0.609985	3.41E-02	1.76077	-1.74268	0.342834	-1.92041	-1.92041	-1.4118
1875	6	1.30386	0.198517	-5.75E-02	-0.32816	-3.12561	-3.11606	-3.11606	-2.17038
1875	7	3.84793	-0.57929	-1.42422	2.85458	2.73398	-2.06592	-2.06592	-0.21912
1875	8	3.16602	-0.95071	-1.35016	0.718872	0.220062	-1.00772	-1.00772	-0.15424
1875	9	1.70792	-3.23987	-4.76324	0.196716	-2.2052	-4.52124	-4.52124	-2.27353
1875	10	-2.3049	-2.65475	-2.85861	-3.45941	1.15887	-1.43814	-1.43814	0.558563
1875	11	2.89417	-0.30347	-2.46249	-0.97791	1.90863	1.70767	1.70767	2.85071
1875	12	0.210876	-1.69818	-1.99097	-0.11423	-2.78696	2.56622	2.56622	-0.93668
1876	1	-0.581879	-0.55798	-2.25375	6.81165	0.782532	-0.67111	-0.67111	-2.10532
1876	2	-2.40002	-1.40097	-1.55203	0.700897	-2.56201	-2.40118	-2.40118	3.68945
1876	3	4.82E-02	-3.46072	-1.86862	0.870239	-4.5578	-5.03687	-5.03687	-0.8143
1876	4	-2.2561	-2.25769	-1.25278	0.104736	-0.41565	2.45E-02	2.45E-02	1.54681
1876	5	2.36261	-3.28809	-2.25793	-0.45618	-1.77277	0.351013	0.351013	-1.3504
1876	6	9.28E-03	1.17792	-0.71518	-2.13535	0.906097	-1.07178	-1.07178	-1.42218
1876	7	0.553131	1.35031	-0.38162	-0.88571	-1.11301	-0.427	-0.427	-2.22662
1876	8	-6.82E-01	-0.64151	-2.75735	-2.06122	-9.95E-02	-1.27112	-1.27112	-1.64285
1876	9	-3.44647	0.176239	-4.12695	0.678589	-1.86252	-0.84442	-0.84442	-2.65973
1876	10	1.96469	-0.55765	0.496307	-2.26773	1.15036	-2.69257	-2.69257	-2.26553

1876	11	3.11996	0.572937	9.10E-02	1.66879	-1.31317	-2.66425	-2.66425	2.91101
1876	12	-1.33221	-3.2067	0.998352	-1.53E-02	1.20004	-6.54138	-6.54138	-1.13E-02
1877	1	-5.74896	-0.8443	4.23065	-0.30255	-3.40488	-3.08731	-3.08731	2.99356
1877	2	-2.85062	-1.05E-02	-1.14963	2.11218	-0.64938	-5.71127	-5.71127	5.63547
1877	3	0.220154	1.19049	3.44525	0.301025	-0.36047	-2.60394	-2.60394	0.772614
1877	4	1.1203	-0.15527	2.27271	0.983551	-2.22916	-2.92947	-2.92947	-5.11E-02
1877	5	-0.293579	-0.2038	-0.90814	2.34122	-4.57648	-2.8555	-2.8555	-0.49802
1877	6	-0.679718	0.643799	-0.65506	2.86264	0.657715	-1.66925	-1.66925	-0.50137
1877	7	-0.674652	1.2377	-1.15744	-9.63E-02	2.4231	-2.75012	-2.75012	0.233887
1877	8	-0.80838	3.09198	-1.03265	0.148895	-0.57721	-2.26743	-2.26743	-0.13324
1877	9	-4.54156	2.47665	-1.84485	0.811188	-3.45093	-3.05554	-3.05554	-2.86765
1877	10	-1.7052	-0.15094	1.11002	-1.41251	1.99875	-2.40936	-2.40936	-0.99973
1877	11	1.13486	-0.21866	-2.49161	-3.43652	-1.59558	-4.59973	-4.59973	0.818909
1877	12	0.74646	-3.2403	-0.51144	-0.72641	0.552856	-2.04709	-2.04709	3.86792
1878	1	-2.41306	-3.7648	-3.54688	-1.82657	2.28214	0.843781	0.843781	-6.82742
1878	2	-3.58054	3.40573	2.05597	-1.72931	0.106903	-6.2366	-6.2366	3.24496
1878	3	-2.24924	0.756592	0.639252	-3.97745	-2.16739	-0.15765	-0.15765	1.92111
1878	4	-2.59E-02	-2.02579	1.2005	-0.47015	2.16864	-2.47815	-2.47815	2.08322
1878	5	-1.14218	-0.38809	-2.09085	-0.35007	-1.42087	7.21E-02	7.21E-02	-2.72552
1878	6	-2.19943	0.831604	1.17032	-1.81845	-1.13809	-0.96777	-0.96777	-0.36517
1878	7	0.251831	0.903717	-2.66074	-3.26941	-0.89243	-2.8721	-2.8721	-0.88101
1878	8	0.578033	-0.6358	-0.61734	0.224792	0.614868	-3.06494	-3.06494	-0.86655
1878	9	-1.63629	-0.48215	-2.15845	2.03729	-0.72681	3.45E-02	3.45E-02	-4.58014
1878	10	-3.56461	-0.66495	0.373993	0.578796	-2.83414	-1.69916	-1.69916	-2.07962
1878	11	-1.58243	0.533539	-1.83459	3.47388	0.507141	0.528351	0.528351	0.261292
1878	12	1.50656	-0.44309	-3.47165	3.97519	3.58105	1.81912	1.81912	2.03003
1879	1	0.183319	1.6723	1.18124	2.59335	-4.00266	4.02448	4.02448	6.70398
1879	2	-0.473419	-2.70416	0.429565	1.89349	-3.34171	-1.4357	-1.4357	1.38126
1879	3	-2.23315	-2.0983	3.57507	1.65955	-0.26199	-2.11716	-2.11716	1.81012
1879	4	-1.92389	0.535126	-5.98E-02	1.07584	-1.20496	-0.36816	-0.36816	-2.27887
1879	5	-3.91449	-0.34567	-1.81464	-2.11386	-1.80777	-1.8165	-1.8165	-1.13721
1879	6	-3.97931	-3.71008	-2.41016	-2.03714	1.0437	-0.56168	-0.56168	-0.89816
1879	7	-2.97964	0.3349	-1.51172	-2.11414	1.50778	-2.85541	-2.85541	-2.19852
1879	8	-2.02948	0.613403	-2.98746	-1.3663	0.220062	-1.97662	-1.97662	-0.72986
1879	9	-2.05807	-2.50244	-2.35495	4.0101	0.307587	-2.15024	-2.15024	0.129547
1879	10	-0.256592	-1.17E-02	-1.93671	-2.85892	-2.19833	-1.78094	-1.78094	-2.67953
1879	11	-2.99564	-2.17227	-0.10169	-1.73941	-0.50006	-0.42615	-0.42615	-2.53149
1879	12	1.69958	-0.89688	0.725159	3.62198	-0.85513	1.09763	1.09763	-3.24707
1880	1	1.84744	-5.80E-04	3.53693	-2.85556	-0.70758	2.97409	2.97409	-1.36334
1880	2	-2.95593	0.848145	2.73038	-5.51572	2.56491	1.76743	1.76743	2.88736
1880	3	0.356354	-0.25412	-1.11282	0.105652	0.993225	3.11554	3.11554	1.52921
1880	4	1.6937	-1.40479	-1.37939	-2.89386	-1.66025	-5.83E-02	-5.83E-02	-1.01297
1880	5	-0.683289	6.69E-02	-2.48413	1.46323	-0.30359	-1.33899	-1.33899	1.03439
1880	6	-0.715637	1.57581	-0.37546	0.336853	-2.42719	0.29953	0.29953	-2.50696
1880	7	4.33963	-2.78E-02	-1.40814	-0.22153	-2.25522	0.199188	0.199188	-1.60703
1880	8	9.03E-03	2.125	-2.95737	-0.67423	-2.10751	-1.66434	-1.66434	-1.66666
1880	9	2.00702	-0.47784	-4.60254	0.154114	-1.11722	-0.46292	-0.46292	-4.06924

1880	10	-2.02539	1.63596	-4.10471	-2.3179	1.40897	0.618652	0.618652	-0.90393
1880	11	-0.236542	1.14154	-6.19919	-3.50351	0.697418	-4.86633	-4.86633	0.371613
1880	12	-0.134521	-1.33E-02	-0.76254	3.13687	-1.78235	-2.21347	-2.21347	-0.61417
1881	1	0.121124	-1.66608	1.78503	-0.73236	0.879822	-1.92862	-1.92862	0.932068
1881	2	-2.38373	1.76465	-3.35541	-5.11081	-1.21368	-0.80939	-0.80939	-2.29535
1881	3	-2.49677	-0.35281	0.138062	-1.80585	-1.03738	-1.93915	-1.93915	-0.36517
1881	4	0.412506	-1.99377	-2.07199	-2.94046	-1.34076	-1.50687	-1.50687	0.541809
1881	5	-3.78638	-2.65417	0.244659	0.918518	-1.82867	-7.59E-02	-7.59E-02	0.592804
1881	6	-0.53302	1.01273	-1.68698	-0.59534	0.787201	-2.31567	-2.31567	-1.69507
1881	7	-8.22E-02	0.854004	0.135284	2.57977	-0.57953	-2.4614	-2.4614	0.171387
1881	8	-1.25928	-1.72913	-2.48975	-0.34262	-0.47974	-1.52985	-1.52985	-0.22586
1881	9	0.938019	-2.59106	-2.23746	-3.44E-02	1.36868	-1.15244	-1.15244	-2.75323
1881	10	-2.61801	-3.49207	-1.60791	0.360291	0.744263	0.325958	0.325958	-5.95E-02
1881	11	-0.558716	-0.77017	0.108795	0.994995	-1.89127	-3.91583	-3.91583	0.457214
1881	12	2.44138	-2.5033	-4.33405	3.50818	0.632263	1.51022	1.51022	-7.01169
1882	1	-1.69186	0.700623	-2.78076	0.310547	-1.73776	4.9989	4.9989	1.04608
1882	2	0.65448	2.48795	0.318573	1.76511	3.07642	-0.71408	-0.71408	5.25174
1882	3	0.977234	1.24948	2.21396	3.94183	0.697205	-0.12106	-0.12106	2.4357
1882	4	-1.0802	-3.80038	-0.5022	-0.29327	1.48157	-0.89835	-0.89835	3.52661
1882	5	-4.08038	-2.6387	-3.44354	-4.46356	1.19571	-3.50018	-3.50018	1.1145
1882	6	-0.33902	4.30E-03	-2.43518	-1.10614	1.08762	0.185425	0.185425	-0.34616
1882	7	-1.38766	-3.22638	-1.61942	-0.26892	-0.53162	-2.16422	-2.16422	0.741669
1882	8	0.138123	-1.16953	-4.41754	2.04868	-0.56903	-1.12534	-1.12534	1.16904
1882	9	0.403137	-1.04547	-4.16116	0.5177	0.711578	-1.92743	-1.92743	2.33817
1882	10	-0.531891	-0.69534	1.25381	0.86499	2.61386	0.134857	0.134857	-1.74362
1882	11	-2.11893	3.67215	0.96051	1.70969	-0.78287	-1.74072	-1.74072	0.255493
1882	12	4.21698	0.936218	-0.23175	3.13528	-0.62744	-1.46909	-1.46909	1.62433
1883	1	2.18802	-1.45789	-1.21426	4.25714	-2.36215	3.86E-02	3.86E-02	-1.96402
1883	2	0.714478	4.64664	-0.58243	2.98788	-0.8392	1.12131	1.12131	-7.23904
1883	3	1.70596	-1.14612	1.30835	-1.52017	-0.16919	-2.65216	-2.65216	-2.39227
1883	4	0.606506	-2.21188	-2.9772	-2.23425	-0.61774	-2.30307	-2.30307	-1.35287
1883	5	-0.623688	-1.77917	-1.04254	-1.99347	0.433014	-3.81699	-3.81699	-0.3512
1883	6	-0.267029	-1.04498	-1.61356	-0.39914	0.418213	-1.93488	-1.93488	-0.49707
1883	7	2.12E+00	-1.995	-2.30743	-2.56302	-8.30E-03	-1.89801	-1.89801	-0.37933
1883	8	-1.87518	-0.3269	-5.89334	-0.23703	-2.00711	-4.06604	-4.06604	-1.79803
1883	9	-1.59756	-1.88367	-5.55084	-2.99E-02	-1.22992	-0.92114	-0.92114	1.70056
1883	10	-1.57849	1.35336	-2.34961	-1.53851	0.601959	-2.77585	-2.77585	-0.24252
1883	11	-0.757538	1.43414	0.201508	5.14029	0.707947	-0.36203	-0.36203	-0.56351
1883	12	2.18417	1.66861	-2.56757	-0.84763	-0.17374	0.224426	0.224426	-4.22708
1884	1	-2.23135	-1.50168	-0.66556	-3.83487	-4.18918	2.65048	2.65048	-0.88464
1884	2	4.67126	1.56924	0.402893	-5.91052	3.40369	2.05621	2.05621	1.14255
1884	3	0.407562	1.05859	-0.10175	-1.92587	-2.3089	-1.48944	-1.48944	0.37561
1884	4	-0.119904	0.536011	-2.75928	3.77563	-0.58905	-0.95465	-0.95465	-3.56839
1884	5	-2.89301	-0.15418	-1.77103	-0.43286	0.704712	-2.0379	-2.0379	-0.64282
1884	6	0.684479	1.20901	-2.97287	-2.58786	-3.61688	-2.13126	-2.13126	-3.14786
1884	7	1.05234	-1.16809	-4.83563	-3.24893	-3.59811	-2.27231	-2.27231	-1.1571
1884	8	-0.991882	-0.45541	-5.24194	-3.42871	-4.97903	-2.81512	-2.81512	-2.37845

1884	9	-0.797089	-2.55237	-4.26474	-1.93201	-2.94391	-6.47153	-6.47153	-2.80334
1884	10	-0.1091	-0.82336	-0.46149	-3.02771	-1.55533	-1.23645	-1.23645	-0.44214
1884	11	-1.70853	0.409546	-1.6908	-1.24863	-0.37448	0.972961	0.972961	-1.15829
1884	12	2.57956	-3.5256	-1.36465	3.95178	-5.72125	0.150024	0.150024	-5.58E-03
1885	1	4.83743	-5.2301	-4.12057	-2.37787	0.39212	3.5498	3.5498	-2.71072
1885	2	0.318573	-1.25766	-2.57562	-2.57401	-2.74301	-1.40359	-1.40359	0.828552
1885	3	0.401642	-2.39111	-2.67773	-1.43826	-1.35989	1.59973	1.59973	-2.27267
1885	4	9.30E-02	-0.37479	1.24561	-2.86145	-2.49805	-3.13235	-3.13235	-0.20108
1885	5	0.321899	1.86972	-3.68143	-4.68207	-1.07739	-0.32001	-0.32001	-2.2373
1885	6	-0.795624	-2.09509	-1.36066	-3.64624	-2.87698	-3.50967	-3.50967	-3.57227
1885	7	0.602631	-1.89447	-0.94284	1.05527	-4.65872	-2.0726	-2.0726	-3.39923
1885	8	9.43E-03	-4.3688	-5.27765	1.42407	-3.05203	-1.66605	-1.66605	-2.19833
1885	9	0.431732	-2.64197	-2.40186	1.42761	-1.16861	-0.62064	-0.62064	1.94656
1885	10	-0.707916	-1.74875	-2.07269	-1.68152	-1.40424	-2.24265	-2.24265	0.397491
1885	11	0.222382	0.627228	-4.44931	1.25818	0.244019	-3.42474	-3.42474	-1.24759
1885	12	2.03238	-4.92538	-0.55347	-0.22672	-6.89044	-1.73999	-1.73999	2.75952
1886	1	-7.51E-02	0.974915	3.80145	-1.30847	-3.12167	-1.58871	-1.58871	-2.98383
1886	2	-1.08362	0.811829	-1.76431	-5.37411	-3.05219	-4.69418	-4.69418	-2.61826
1886	3	-2.92194	2.69E-03	0.242371	-1.98526	-0.9296	-3.07596	-3.07596	0.600922
1886	4	-0.104279	-0.6825	-0.5076	3.61185	-2.27383	-1.62115	-1.62115	-1.6767
1886	5	0.216919	2.11E-03	-2.07483	-1.82117	-1.48599	-1.97861	-1.97861	1.01428
1886	6	-1.10403	-1.2717	1.04865	-0.31674	-0.47611	-2.42596	-2.42596	-2.18936
1886	7	1.30945	-2.0528	-3.52484	-0.18323	-1.64893	-2.04181	-2.04181	-2.32413
1886	8	-0.908478	-1.94571	-3.26736	1.90637	-1.22763	-3.36365	-3.36365	-2.04776
1886	9	1.26651	-1.31485	-2.44934	-0.35001	-0.46613	-3.64902	-3.64902	-0.32254
1886	10	1.40891	-2.69116	-2.56091	2.05789	0.227875	-2.39377	-2.39377	-0.61563
1886	11	-4.40604	1.75635	-1.74701	-0.97421	2.26114	1.77698	1.77698	-2.81342
1886	12	1.47E+00	-2.48779	-1.76266	-1.70E-02	-2.11E-02	1.01331	1.01331	4.30212
1887	1	1.37442	-0.95178	-10.0265	2.08865	-2.80496	0.699097	0.699097	-4.01254
1887	2	-2.63443	-1.08676	-2.87091	-0.31271	0.423309	-3.39679	-3.39679	-3.66144
1887	3	-2.52945	2.0538	-4.92282	-1.79645	-4.1825	-1.48215	-1.48215	0.127411
1887	4	-2.40509	-1.11349	-5.8074	-0.46826	-1.17636	-0.76947	-0.76947	1.7937
1887	5	-1.69089	0.116913	-6.97E-02	-1.76007	1.47763	0.490295	0.490295	-0.539
1887	6	-1.12534	-1.35269	-0.17758	-1.25644	-0.58081	-1.31897	-1.31897	-5.59067
1887	7	-0.386749	-1.37857	-1.32144	-2.31781	-1.10272	-3.1015	-3.1015	-1.20071
1887	8	1.00281	-2.60501	-1.57254	1.51849	-0.98154	-2.32404	-2.32404	-1.40564
1887	9	-6.95E-02	-1.47916	-2.76456	-2.59509	1.44537	-2.71924	-2.71924	0.723145
1887	10	-1.2847	-3.48816	-2.11639	2.55319	-0.94144	-3.78564	-3.78564	3.11346
1887	11	2.92E+00	2.21094	3.06E-02	4.33978	-4.45E-02	0.971649	0.971649	0.626099
1887	12	-7.17E-02	1.9046	-2.77347	0.696564	0.376648	-0.87558	-0.87558	-0.71997
1888	1	-5.62338	1.66342	-3.18887	-2.11835	0.118225	-4.3421	-4.3421	1.02536
1888	2	-2.25443	-1.01016	-0.99371	-1.70462	0.461609	3.72E-03	3.72E-03	2.83136
1888	3	0.758057	-0.43921	-1.04825	-1.40225	0.479828	-2.95697	-2.95697	-0.65268
1888	4	-1.47348	0.458923	1.49301	1.43863	0.184967	-2.91345	-2.91345	2.41162
1888	5	-1.33588	-2.13919	0.364777	-2.03708	-1.55676	-2.42068	-2.42068	-1.82523
1888	6	-0.966736	2.64441	-0.36896	0.454956	-0.6922	-2.00446	-2.00446	-1.48816
1888	7	-2.75867	-1.9263	-0.77304	-1.52673	-0.18253	-2.49182	-2.49182	-2.96112

1888	8	-1.73898	0.197174	-2.14346	-2.88791	-4.86594	-2.44495	-2.44495	-1.48804
1888	9	-0.493591	-2.03885	-2.97946	-4.61E-02	-2.10083	-4.33582	-4.33582	-0.41785
1888	10	-0.856293	-0.57175	-0.836	-3.6333	-2.93573	0.833954	0.833954	0.291565
1888	11	0.345673	7.87E-02	-1.5752	2.46768	-2.89438	-5.64594	-5.64594	-2.2583
1888	12	0.821564	2.90E-02	-4.41916	2.79376	-1.10864	-0.77008	-0.77008	3.69672
1889	1	-3.17868	1.83432	1.74915	3.36694	0.330048	1.20358	1.20358	3.31696
1889	2	-4.03131	2.36032	3.40637	-1.24301	-2.47449	-3.65408	-3.65408	-0.20865
1889	3	-0.323059	1.70148	-4.60E-02	-1.61047	0.768829	-1.24756	-1.24756	1.19742
1889	4	-4.17178	-2.22708	-3.5415	-0.95795	0.241241	-1.70285	-1.70285	0.526123
1889	5	-3.6127	0.496124	-0.17603	-1.81818	0.695831	-0.42969	-0.42969	-0.31751
1889	6	-1.98453	-1.0007	-1.56567	1.74554	0.308716	-1.94107	-1.94107	-0.92877
1889	7	-1.36057	-0.91217	-2.06082	1.62466	-0.61932	-2.4874	-2.4874	-1.75751
1889	8	-3.48407	-1.71881	-3.03656	-1.49142	-3.24683	-1.46683	-1.46683	2.28E-02
1889	9	-2.33E-02	-0.81085	-4.15286	4.08139	-1.74182	-3.54364	-3.54364	-2.82724
1889	10	-2.44131	0.26825	0.356995	1.418	-1.09793	-3.61566	-3.61566	-2.19144
1889	11	-1.64453	-1.73434	-1.70718	-0.52991	-2.58118	0.653259	0.653259	0.549286
1889	12	0.937164	-1.07208	-0.35046	5.35559	0.711548	-2.70038	-2.70038	-3.73318
1890	1	0.543121	0.894623	1.49335	2.74515	-1.35077	0.447083	0.447083	-3.27032
1890	2	-3.41403	-0.41498	2.00787	1.0253	-2.67081	-3.68298	-3.68298	1.14114
1890	3	3.24915	1.21439	1.07108	1.35983	-1.2334	0.678741	0.678741	-2.3819
1890	4	-0.483185	0.215912	4.63E-02	-2.29837	0.181244	-2.11517	-2.11517	-0.13879
1890	5	-2.56339	-3.0148	-2.19003	-2.41437	-1.46527	-1.0047	-1.0047	-1.88721
1890	6	-1.77042	1.0224	-0.37686	-1.30396	0.915009	0.603638	0.603638	-0.36176
1890	7	-1.60617	-1.74289	-0.85422	-3.13913	-1.31741	-0.5032	-0.5032	-2.62012
1890	8	0.299316	-0.1322	-1.41367	-3.89383	2.58496	-2.77524	-2.77524	-2.48486
1890	9	-1.14E+00	1.56055	1.00134	3.08E-02	4.29E-02	-3.27911	-3.27911	1.36987
1890	10	0.283508	-0.24677	1.22601	-4.022	0.505371	-2.04456	-2.04456	-1.21432
1890	11	-2.72842	4.62714	-3.67648	-2.98752	-0.21027	-2.48334	-2.48334	-2.75131
1890	12	-4.90982	0.436523	-3.65115	0.568268	2.97354	1.18582	1.18582	-3.26569
1891	1	-1.99017	-0.11829	-3.01505	0.540558	0.158325	0.794586	0.794586	-3.94E-02
1891	2	-1.66843	3.61804	0.273865	1.1972	-9.4856	3.78281	3.78281	5.03516
1891	3	1.71594	-0.9115	3.14505	2.01324	1.85492	0.929657	0.929657	-3.13568
1891	4	-1.1861	-1.90659	0.663422	-0.67258	-2.46094	-0.29315	-0.29315	0.608612
1891	5	0.91391	-1.46368	0.654449	-3.41446	-1.91437	-0.198	-0.198	-0.26923
1891	6	1.87927	1.4711	0.438721	-1.32004	-4.07159	0.259644	0.259644	-2.42249
1891	7	-0.969055	2.18842	3.62115	0.691376	-1.83762	-3.07861	-3.07861	-0.33301
1891	8	-0.761963	-3.44E-02	-0.28656	-1.46283	-1.07114	-2.19943	-2.19943	-2.97064
1891	9	-1.83517	-1.04095	-0.10864	-3.10721	-2.41891	-2.47202	-2.47202	-0.66263
1891	10	-0.953308	0.718445	0.196106	-3.79352	-2.01004	2.93E-03	2.93E-03	-0.73843
1891	11	-0.237122	-1.03836	0.890808	-6.85291	-1.47626	-3.46704	-3.46704	-4.52841
1891	12	2.15036	-2.4126	-2.86026	-3.17651	-5.21515	0.919525	0.919525	-6.24039
1892	1	0.87384	-0.75458	-3.57077	-0.87915	-3.49506	-0.39752	-0.39752	1.30997
1892	2	1.82846	-1.13956	-2.28473	-3.8157	-2.11551	-4.67297	-4.67297	0.205139
1892	3	4.77905	1.9046	-0.16904	-2.36615	-0.87997	-3.01834	-3.01834	-2.0275
1892	4	1.49512	-0.88757	0.825623	3.21E-02	0.103546	-5.17346	-5.17346	-1.06027
1892	5	-1.8732	-0.77148	-1.63855	2.20114	-1.24597	-1.97528	-1.97528	7.00E-02
1892	6	3.19879	2.00772	-0.54688	0.910553	-2.53339	-1.01666	-1.01666	-2.65366

1892	7	1.16254	-1.12259	-1.23553	0.911987	-0.61081	-3.02521	-3.02521	-3.30551
1892	8	-1.27097	3.0022	-2.60895	-2.5856	-2.57953	-1.54922	-1.54922	-1.12396
1892	9	-1.50217	-2.70285	-2.45377	1.14401	-0.45612	-3.08762	-3.08762	-2.38553
1892	10	5.76E-02	-0.98386	-2.21109	-0.92731	-1.40375	-3.25125	-3.25125	1.37646
1892	11	2.85947	-0.59067	0.895416	1.12598	-0.60776	-3.87784	-3.87784	-1.00961
1892	12	1.28766	-2.15479	5.37036	1.89288	1.41147	-0.16217	-0.16217	3.18793
1893	1	-1.45117	-2.36478	1.32315	2.43375	-1.18356	3.66559	3.66559	4.06186
1893	2	2.99869	0.819427	4.09708	2.85999	-3.89859	-3.77838	-3.77838	0.219452
1893	3	3.12814	-1.67133	2.78348	3.85333	-2.32169	-2.19525	-2.19525	-0.86508
1893	4	-0.398682	1.0903	-1.44098	-4.49747	-2.26566	-2.35675	-2.35675	-5.36157
1893	5	0.534821	-1.5199	-1.20624	-1.18198	0.272034	-1.32889	-1.32889	-3.69952
1893	6	0.370392	-2.6947	-1.22058	0.843353	-0.1366	-0.47626	-0.47626	-2.59918
1893	7	-0.582367	-2.00427	1.40927	-1.46512	-1.54831	-0.59531	-0.59531	-2.18353
1893	8	1.60721	-0.29602	-0.10806	3.18527	-0.76941	-0.30832	-0.30832	-2.47064
1893	9	-0.167969	-2.61887	-1.99194	-3.9021	1.69748	-2.94763	-2.94763	-2.62384
1893	10	0.376709	2.20944	-2.93939	-6.76672	-2.03433	-1.99185	-1.99185	-0.56992
1893	11	0.994263	-0.74146	1.61981	0.993591	1.65125	-1.87152	-1.87152	-1.49759
1893	12	1.56296	-3.55988	-0.26856	-2.61884	-0.54706	0.803925	0.803925	9.28E-02
1894	1	3.39124	-1.03928	-4.39105	-0.90497	-1.97318	0.780579	0.780579	2.64078
1894	2	2.06326	2.28903	1.93927	0.891479	-2.98529	7.23E-02	7.23E-02	3.27496
1894	3	0.524963	0.803284	-3.73685	0.569153	-1.96048	2.43375	2.43375	-1.4671
1894	4	-0.532684	-2.21448	-2.203	0.491852	-1.44986	0.964233	0.964233	1.09232
1894	5	-6.63E-02	-0.95139	0.508453	1.10544	-1.43347	-1.42349	-1.42349	-0.52213
1894	6	-2.88681	1.65851	-3.22656	-4.26675	1.58292	-0.97788	-0.97788	6.73E-02
1894	7	-2.36887	-1.70718	-2.67783	-3.51804	-0.2525	-2.16641	-2.16641	-0.68753
1894	8	-2.00348	-0.47992	-2.63614	2.95349	1.75006	-2.06323	-2.06323	-2.72955
1894	9	1.80783	-2.46677	-0.49655	2.44409	1.22177	5.92E-02	5.92E-02	-0.46735
1894	10	-0.643616	-0.31296	-3.48871	-2.60452	0.754578	-3.54367	-3.54367	-2.34091
1894	11	0.480469	-0.70905	-2.76691	-0.77811	-0.71127	1.05948	1.05948	-3.02689
1894	12	-1.53964	-1.48578	-4.70087	5.94788	2.03247	-2.67108	-2.67108	-5.49869
1895	1	-2.18338	-0.758	0.282745	2.68594	-3.87448	-0.58051	-0.58051	-0.46893
1895	2	2.27878	-5.33307	0.885071	3.92859	-1.39499	-2.4877	-2.4877	-1.56143
1895	3	1.07205	-2.83481	1.00516	0.294525	-2.00607	-2.93665	-2.93665	-2.2374
1895	4	-3.03738	-2.08069	2.9415	0.393738	1.77527	-5.16727	-5.16727	-3.98059
1895	5	0.554596	-1.3671	1.44537	-0.61798	-0.62238	0.230103	0.230103	-1.35001
1895	6	-1.03781	-9.28E-02	0.538818	1.90305	-1.81049	-2.59515	-2.59515	-3.53006
1895	7	-2.28366	-1.94019	0.461456	-1.99203	1.04819	-2.64212	-2.64212	-2.23041
1895	8	-0.423492	1.43518	-0.16296	4.37418	1.83469	-6.29E-02	-6.29E-02	-2.13455
1895	9	0.716522	6.56E-02	-0.37045	-0.53479	0.571686	-0.99762	-0.99762	-1.23633
1895	10	2.05231	-0.75305	-6.72018	2.16699	-1.41052	-3.53265	-3.53265	0.469879
1895	11	5.64E-01	1.75815	-0.73169	0.263	-9.45E-02	-1.04074	-1.04074	-1.93201
1895	12	0.128479	-1.61499	2.14874	-0.13141	0.620148	0.746826	0.746826	-3.44476
1896	1	3.07993	0.733917	5.28094	-1.86707	0.311523	3.55319	3.55319	2.49808
1896	2	0.430664	4.11365	5.67267	0.818604	-2.39871	-0.50809	-0.50809	4.02637
1896	3	-0.60675	0.39209	3.31186	-3.21606	-0.55258	-1.22116	-1.22116	-2.53568
1896	4	1.22192	-2.12567	-1.70059	-2.80106	-1.25894	1.65253	1.65253	-1.20987
1896	5	-2.33679	0.812622	-9.69E-02	-2.57077	-1.34329	-1.09531	-1.09531	0.415192

1896	6	1.78958	-0.74649	-1.10986	1.06796	-0.39398	-0.30856	-0.30856	-6.15E-02
1896	7	1.33475	-2.17047	-0.63962	0.783966	0.837982	0.541382	0.541382	-1.53922
1896	8	3.28732	0.775787	-2.36584	1.81128	-1.34933	-0.98364	-0.98364	-1.02576
1896	9	2.03082	-2.04565	-4.04105	2.21201	-0.72751	-0.41492	-0.41492	-3.36154
1896	10	-3.8082	0.886047	1.44171	-1.05911	-0.37784	2.33615	2.33615	-3.03E-02
1896	11	-2.26233	2.54834	-1.4144	-0.74951	2.48975	1.13016	1.13016	-2.06171
1896	12	-3.37653	-1.86578	-2.20566	-4.93E-02	-0.21585	-2.56497	-2.56497	-3.99896
1897	1	-3.42548	-5.15198	-3.27985	2.32364	3.57184	-5.11182	-5.11182	-7.44473
1897	2	-3.37433	0.558838	-1.53922	2.01929	-0.65299	-5.23428	-5.23428	-3.79605
1897	3	0.52536	1.638	-2.88043	2.36914	-2.01068	-2.86636	-2.86636	1.2543
1897	4	1.73621	-2.32349	-2.0372	-0.80228	-2.11676	0.547241	0.547241	1.21213
1897	5	3.02142	-1.33578	0.643768	-3.04416	-0.29959	-0.54388	-0.54388	7.39E-02
1897	6	-4.27E-04	-2.2027	1.12372	-2.31995	-0.92889	-1.48947	-1.48947	-0.41556
1897	7	-1.01825	-3.26349	1.26886	-1.80371	-0.40561	-2.2518	-2.2518	-1.34692
1897	8	-1.58298	-3.2807	-0.45526	1.26968	-0.36221	-2.74414	-2.74414	-0.83075
1897	9	-0.185577	-1.62216	-2.19345	1.72421	-0.17853	-1.91733	-1.91733	-0.32935
1897	10	-2.6427	-3.68646	-1.59009	1.48428	-0.64835	-1.24106	-1.24106	0.656464
1897	11	0.90686	-0.95865	-0.41528	1.04099	-1.78156	-0.77765	-0.77765	-4.35E-02
1897	12	-2.28372	-0.2182	-4.22476	1.50528	-4.99884	-1.59457	-1.59457	-1.78088
1898	1	0.618835	-2.79999	2.22433	7.91623	-4.47568	-5.1994	-5.1994	7.29987
1898	2	2.35889	2.16183	5.91049	-0.47611	4.65771	-2.7746	-2.7746	2.47595
1898	3	-2.92E-02	-2.75E-02	-1.27072	-0.86505	-0.45767	1.87384	1.87384	1.67783
1898	4	-0.995087	-1.20758	-1.78439	2.17764	-0.29956	1.84305	1.84305	1.16861
1898	5	-1.29E+00	-1.26538	-0.24603	-3.44876	-9.11E-02	0.86499	0.86499	0.226074
1898	6	1.04987	2.18002	0.201019	-4.94086	-0.77301	-2.35577	-2.35577	-2.34708
1898	7	-1.90945	-0.46729	-2.36673	-4.88043	-0.3031	-1.3642	-1.3642	-1.75891
1898	8	-0.507385	-3.70E-02	0.347839	-2.24741	-1.72012	-1.26105	-1.26105	-1.45554
1898	9	0.667938	-2.57974	-0.69696	0.811188	-0.88001	-0.83173	-0.83173	-0.14554
1898	10	2.11E-01	-3.15524	-0.72131	0.700684	-7.93E-03	1.17773	1.17773	0.170563
1898	11	0.749359	0.329437	8.58E-02	-0.36063	-0.38257	0.969452	0.969452	-2.85489
1898	12	-0.257416	-3.1221	1.88986	-1.64981	-1.12595	-1.11758	-1.11758	1.99634
1899	1	-2.25E+00	-4.4147	2.46814	-0.81805	-7.57E-02	3.4144	3.4144	0.88858
1899	2	-1.47992	-3.02286	2.05527	-0.51251	1.55771	-5.26108	-5.26108	1.26614
1899	3	2.30E-02	-2.41302	2.14957	2.02274	0.63382	0.494141	0.494141	0.906006
1899	4	-0.433685	1.55511	2.54672	-0.88745	0.451569	-1.38696	-1.38696	-0.66757
1899	5	1.3959	-1.31299	-0.85184	-3.00876	1.39911	-1.8768	-1.8768	-1.12991
1899	6	6.68E-03	-4.42328	0.577026	-0.42554	-1.59698	-2.58475	-2.58475	-0.27316
1899	7	0.528656	-0.4068	-8.38E-02	-1.12283	-1.96683	-2.2966	-2.2966	-2.59091
1899	8	-0.640289	-0.49731	-0.96454	-1.0834	-2.38681	-0.93094	-0.93094	-2.31485
1899	9	1.45581	-0.77655	-3.25977	-1.35638	-3.35022	-3.68604	-3.68604	-3.19073
1899	10	-1.565	-1.20526	-1.80978	1.94318	2.53207	-2.12015	-2.12015	-1.99573
1899	11	-0.63382	1.28995	2.7413	1.9415	-2.30417	-0.76074	-0.76074	-0.29471
1899	12	-1.70633	-0.4848	0.542633	-0.69031	-3.82104	-0.10889	-0.10889	2.52603
1900	1	-1.93E-02	-2.37469	3.16193	1.80255	-2.47818	-5.345	-5.345	4.13458
1900	2	-5.28534	-6.25867	5.39099	-2.77591	1.64371	-0.96878	-0.96878	1.31375
1900	3	-5.33E-02	1.41068	1.18405	-1.95056	1.81873	0.400635	0.400635	-4.98688
1900	4	-1.6286	-0.91168	-4.2547	2.96194	-2.97885	-1.79666	-1.79666	-3.32147

1900	5	-1.34E+00	2.4906	-2.45374	-0.80997	2.72E-02	-0.6409	-0.6409	-0.65521
1900	6	-3.55182	-0.78098	2.75E-03	-1.65283	-1.1611	-1.38257	-1.38257	-2.80869
1900	7	-1.47476	-1.97137	2.40408	-2.14783	2.62878	-1.3638	-1.3638	-2.96243
1900	8	-1.88187	2.18369	1.55554	-0.82901	2.67328	-0.99674	-0.99674	-3.10706
1900	9	-1.29288	-1.61215	-1.66165	-1.25519	-1.7012	-1.59314	-1.59314	-7.14E-02
1900	10	1.8002	-0.82105	0.130493	-4.57632	0.377869	0.997955	0.997955	-0.37091
1900	11	-2.84543	-1.09116	2.35422	1.40457	2.52362	-3.79E-02	-3.79E-02	0.125092
1900	12	-1.35492	-0.70309	-1.52866	2.89548	-1.64426	3.7662	3.7662	0.784332
1901	1	-1.19305	-3.2218	-4.76547	-1.51935	-0.45316	1.11838	1.11838	3.50638
1901	2	-1.33472	-1.29758	-5.51913	-2.3017	1.63779	1.67331	1.67331	1.96054
1901	3	-0.166565	-2.39572	-2.15195	-3.81866	-0.94647	-1.44296	-1.44296	0.776917
1901	4	1.63791	-3.20929	-0.77289	-0.22977	1.33057	-0.80396	-0.80396	-3.25137
1901	5	-1.2739	0.132324	6.32E-02	0.246643	1.69073	-2.32361	-2.32361	-0.8035
1901	6	1.33347	1.94373	-1.97458	-1.72705	-1.26279	-1.53607	-1.53607	1.34674
1901	7	-1.26816	0.381927	-3.31793	2.02298	0.757874	-2.14761	-2.14761	-0.37491
1901	8	0.765411	-5.92E-02	-2.90204	-1.99661	1.26758	-1.26624	-1.26624	0.144043
1901	9	-5.67047	1.28003	-2.78937	-2.07291	-0.34381	-1.06314	-1.06314	-0.90323
1901	10	0.39859	1.71494	-2.9259	-2.70251	0.229156	1.71283	1.71283	-3.33511
1901	11	-1.07513	2.42804	-1.1958	-0.61121	1.33194	0.893372	0.893372	0.777588
1901	12	-0.172333	-0.19919	-2.23627	3.52957	1.43726	1.00882	1.00882	-0.45978
1902	1	2.61194	-1.3197	-1.51166	-8.06E-03	0.353546	7.72598	7.72598	0.23288
1902	2	-0.835022	0.932037	-5.78632	1.00888	-2.81729	0.936707	0.936707	-0.47485
1902	3	-4.58E-02	4.7496	0.816559	-1.26465	-1.23788	0.682739	0.682739	2.76202
1902	4	-8.88E-02	-1.07718	-7.42999	-2.89996	-1.64136	2.51694	2.51694	-0.63437
1902	5	0.926697	1.2641	-3.92255	-2.75406	-0.60858	-0.62091	-0.62091	-1.62473
1902	6	-1.55273	1.9491	-0.66486	-0.89096	-1.13101	0.573029	0.573029	-2.74356
1902	7	-0.349762	-1.1355	-2.44193	-0.74674	-0.93121	-0.3136	-0.3136	-1.38541
1902	8	-0.524292	-2.67E-02	-1.27695	2.30029	1.02426	-2.55804	-2.55804	-1.81274
1902	9	-1.17E+00	-3.34036	-1.29004	1.9144	9.32E-02	-1.25903	-1.25903	-1.87955
1902	10	-1.02029	-3.10016	1.02332	-0.85761	0.792175	1.16525	1.16525	0.57489
1902	11	-0.570618	2.14E-03	1.53992	2.31808	1.34573	2.27E-02	2.27E-02	-0.31381
1902	12	-0.273621	-0.78699	-0.75934	-0.48023	0.331055	1.13272	1.13272	3.79672
1903	1	3.79993	-1.30438	-0.45535	5.75424	-0.82538	3.96017	3.96017	-1.86502
1903	2	2.34796	-5.98517	1.55429	-2.09451	3.7049	-0.3013	-0.3013	-3.70715
1903	3	-2.20435	-2.4512	-0.64945	-2.29437	1.00482	-2.71747	-2.71747	1.6582
1903	4	-3.66928	-2.89987	-1.38748	0.257233	1.33914	-2.98785	-2.98785	2.32922
1903	5	-2.26059	-1.0076	-2.17493	-1.75967	-1.65988	-3.32251	-3.32251	-0.99152
1903	6	-1.92102	-2.64008	-3.20425	-3.01434	-2.43579	-1.11658	-1.11658	0.508026
1903	7	-0.655365	-0.39099	-3.16492	-1.60721	-2.62003	-3.7399	-3.7399	-3.40961
1903	8	-3.89487	0.263702	-2.56674	2.59918	-2.19543	-2.86523	-2.86523	-2.03564
1903	9	-3.72467	-1.46936	-0.72095	1.29739	-1.68201	-0.27933	-0.27933	-3.85773
1903	10	0.85791	-0.95105	-2.73111	0.566772	0.547058	0.988831	0.988831	-2.12012
1903	11	-2.79922	-2.15207	0.744293	0.653992	-3.63187	-3.67044	-3.67044	-2.35669
1903	12	-1.94382	-1.4957	1.79715	0.566284	-4.90775	-1.64908	-1.64908	-6.39407
1904	1	1.92923	-1.25909	-9.30E-02	-1.84006	3.40234	-2.80661	-2.80661	-2.70502
1904	2	-0.657318	-1.89316	-4.61142	-4.20251	0.10199	5.86032	5.86032	2.97015
1904	3	-1.15845	-1.71942	-3.52032	-6.31155	-0.62399	-3.68735	-3.68735	-1.30209

1904	4	2.7796	-4.38858	-2.58398	0.460327	-0.24744	0.717926	0.717926	-4.39078
1904	5	-0.429688	0.154816	-2.41565	-0.48166	-1.31049	0.371613	0.371613	-2.72452
1904	6	-0.218231	2.11551	-1.70148	2.48434	-0.38211	-2.16647	-2.16647	-2.80667
1904	7	2.73523	-1.80307	-2.05643	-0.73883	-1.35852	-0.60111	-0.60111	-3.04312
1904	8	1.61212	-2.9819	-3.11456	-3.52002	-2.48062	-1.72794	-1.72794	-0.65353
1904	9	0.552826	-3.56314	-3.47775	1.29919	-1.66211	-0.79282	-0.79282	-1.92993
1904	10	-1.64441	2.07294	-3.59048	-0.11142	1.41635	-0.56146	-0.56146	-1.31851
1904	11	-3.32614	4.04E-02	0.225616	-0.6947	1.53912	-0.89874	-0.89874	-0.87259
1904	12	-3.26013	-2.04037	2.24615	0.641174	-0.72903	-2.3707	-2.3707	2.70752
1905	1	0.922241	-8.61899	-5.16327	2.04904	-2.83856	-2.47351	-2.47351	0.397766
1905	2	-1.91351	-0.53967	-4.45511	-0.30402	0.637207	-2.72449	-2.72449	5.28E-02
1905	3	-0.158539	0.394379	-3.14282	0.821045	1.33932	-0.13355	-0.13355	-3.90817
1905	4	-0.624695	-1.64529	-1.09048	-1.47925	-0.80356	1.03293	1.03293	-5.60199
1905	5	-1.2565	-0.4668	-1.28125	-0.86298	-1.14307	-1.00879	-1.00879	-2.95801
1905	6	-0.299927	-2.492	8.91E-02	-2.38074	-0.72308	-2.10526	-2.10526	-2.05847
1905	7	-2.78577	-0.76538	0.281372	-4.26663	-0.53412	-1.76392	-1.76392	-1.08392
1905	8	-2.56067	-1.94891	0.27774	0.907684	-2.54733	-1.75095	-1.75095	-3.07996
1905	9	-1.77817	7.45E-03	-3.46027	4.86581	-0.10782	-2.48514	-2.48514	-1.89963
1905	10	-3.33362	1.66116	1.18439	0.129669	0.987549	-1.80664	-1.80664	-1.85544
1905	11	-6.11E-02	2.05215	-0.26718	0.582397	0.599731	-0.42023	-0.42023	-1.20209
1905	12	8.61E-02	6.97E-02	-1.22797	-2.05481	4.60E-02	-0.16037	-0.16037	-2.54178
1906	1	3.16724	1.5415	0.122925	-2.09677	-0.17587	0.400177	0.400177	0.921356
1906	2	-0.996918	-1.58047	-0.40311	-0.55252	0.515991	1.22131	1.22131	0.660767
1906	3	-1.21115	0.782501	2.84946	0.57724	-0.92798	1.79263	1.79263	-2.89618
1906	4	-1.86728	3.68E-02	-0.7854	-3.74887	-1.13474	-0.46085	-0.46085	-0.91647
1906	5	-3.54858	-2.94049	-1.02533	-0.40836	-1.13458	-0.48029	-0.48029	0.273804
1906	6	-2.04062	-1.01019	-1.62988	-0.48004	-0.25049	-0.53827	-0.53827	-3.07916
1906	7	0.496338	-5.73E-02	-0.87192	-1.49731	-1.35703	-1.0383	-1.0383	-1.7001
1906	8	-2.32E+00	-0.97952	-2.22595	-0.72983	2.09E-02	-0.44605	-0.44605	-4.17575
1906	9	0.402435	-1.31805	-2.47836	0.437714	-0.29022	0.569061	0.569061	-1.38004
1906	10	-1.48502	-1.14355	0.908813	-1.04453	-0.75235	0.247345	0.247345	-1.66351
1906	11	-2.28314	0.348755	-0.3602	0.7742	-1.14276	-0.30185	-0.30185	-1.66641
1906	12	-0.259613	6.12E-02	-1.00815	2.17847	-0.98184	-5.9296	-5.9296	-4.86346
1907	1	1.77292	-2.13269	-2.05725	-6.98236	2.72565	-3.7594	-3.7594	-4.47632
1907	2	-5.11E-02	0.497345	-1.39191	-2.01782	0.902588	1.5816	1.5816	-4.58093
1907	3	-3.06345	5.46E-02	-1.35675	-0.30045	-1.87708	-0.45834	-0.45834	-1.4343
1907	4	-0.316101	-2.38928	-3.0007	-3.26016	0.888062	2.92575	2.92575	-0.40027
1907	5	0.839203	0.703705	-0.49454	-1.65897	-1.07657	1.74969	1.74969	-2.14E-04
1907	6	-2.06323	0.81662	-1.79095	0.624664	-1.6579	0.372925	0.372925	-0.39288
1907	7	-0.807159	-2.08948	1.43997	0.914764	-1.74911	-0.8472	-0.8472	-2.13452
1907	8	-1.61948	4.63E-02	-1.48746	-4.17422	2.24527	-0.51364	-0.51364	-2.45215
1907	9	-1.77579	1.85623	-2.99585	-1.5694	1.8772	0.843658	0.843658	1.89E-02
1907	10	-2.58911	0.65564	-1.66919	0.629272	2.50858	-1.13315	-1.13315	-2.15591
1907	11	-0.818115	1.22305	-3.0799	-0.22681	2.93323	-3.66553	-3.66553	-4.4411
1907	12	0.748962	-6.80E-02	-5.78644	3.59E-02	-1.23575	-4.4733	-4.4733	1.74353
1908	1	-1.05768	1.24011	-3.75925	-2.46097	0.345337	-3.3158	-3.3158	1.21628
1908	2	2.28186	0.840149	-7.27673	4.27658	2.75479	-3.0636	-3.0636	-4.92905

1908	3	6.75E-01	-1.06693	-1.82083	-0.50995	2.50E-03	-4.78076	-4.78076	0.700317
1908	4	-0.45108	-2.50909	-0.4274	-1.51926	-0.62924	-1.93967	-1.93967	0.543701
1908	5	1.54312	-2.1828	-2.47043	-1.61398	-2.03146	-1.29419	-1.29419	-7.56E-02
1908	6	-1.07831	-2.57718	-1.02078	-0.66364	-2.46188	1.63803	1.63803	-7.57E-03
1908	7	1.30695	-2.76508	-0.53302	-2.19763	-2.49191	-2.04041	-2.04041	-1.20673
1908	8	0.555634	-0.43692	-0.30664	-3.06122	-3.27371	-0.27582	-0.27582	-2.17874
1908	9	-3.14166	-3.47726	-3.93124	1.07971	-1.10852	-0.76462	-0.76462	-2.84985
1908	10	-4.39252	-1.81064	3.11139	0.226471	1.86255	-1.64505	-1.64505	-1.19693
1908	11	-8.79E-01	-0.31155	-1.9527	-2.96231	-2.46E-02	0.361267	0.361267	0.485107
1908	12	0.997375	1.01E-03	-4.28546	-1.10303	1.64145	0.842926	0.842926	4.34921
1909	1	-0.362457	-0.89728	-1.65527	-0.83395	3.76242	-4.6503	-4.6503	4.67538
1909	2	1.84488	1.95035	-1.65802	-2.71371	4.75131	-2.19809	-2.19809	3.13156
1909	3	4.07214	3.5365	5.28058	0.808136	-2.78598	1.36795	1.36795	-2.68198
1909	4	2.12582	1.37E-02	-0.44858	3.67673	0.414062	-1.03278	-1.03278	-2.93567
1909	5	-1.80978	1.29633	0.94986	-1.53638	-2.60107	-0.90659	-0.90659	-2.53552
1909	6	-0.825134	1.57901	-0.15738	-2.03033	-1.94409	0.115631	0.115631	-3.82227
1909	7	-1.88824	1.02661	-1.53714	-2.75452	-2.98822	-1.3519	-1.3519	-1.7196
1909	8	-2.18137	1.14468	-0.49655	-3.00092	-1.13821	-1.64792	-1.64792	-1.11053
1909	9	-1.48798	-0.31744	0.652252	-0.1217	-0.20612	-1.58783	-1.58783	-3.45074
1909	10	-3.4082	-0.66657	1.61139	-0.6907	-2.47043	-0.43524	-0.43524	-0.46011
1909	11	-1.10684	-2.47107	1.2258	-0.38702	-3.71146	1.75867	1.75867	1.32611
1909	12	-1.72E-01	-3.42E-02	-2.52716	2.14859	-6.96E-02	3.69693	3.69693	-0.38178
1910	1	-2.15308	-3.6662	6.47263	-3.66785	0.843445	-3.61621	-3.61621	-4.83832
1910	2	-0.453918	-5.99E-02	-0.98181	-2.70242	-0.32871	-3.97E-02	-3.97E-02	-1.19214
1910	3	-1.26505	-3.67172	3.70667	-2.86746	2.1987	-3.44E-02	-3.44E-02	-0.66858
1910	4	2.4783	-0.5076	0.461212	-0.54807	2.88315	-3.27E-02	-3.27E-02	-0.9321
1910	5	0.493103	0.883698	8.11E-02	-1.18866	-0.20657	-2.07739	-2.07739	-2.0972
1910	6	0.862488	-1.8186	-0.52676	-0.81644	-1.32339	-1.74576	-1.74576	-1.35907
1910	7	-3.08716	-2.22159	1.14426	-0.25003	-2.50922	-0.3458	-0.3458	-2.79663
1910	8	-0.817688	-2.89291	0.205963	-2.18472	-1.64471	-0.10312	-0.10312	-0.85114
1910	9	1.83423	-4.20346	1.79895	2.56189	-2.03622	-3.67392	-3.67392	-1.32346
1910	10	0.329102	-0.32324	1.548	0.740692	-2.85065	0.15155	0.15155	-1.47153
1910	11	-2.98E+00	1.68E-02	-4.34189	-3.82092	6.74E-02	-1.54434	-1.54434	0.349304
1910	12	0.726166	-1.492	1.56094	-4.26E-02	-2.55145	-0.25739	-0.25739	-0.64368
1911	1	-4.70486	-0.4762	0.584229	-3.18576	0.646332	1.81979	1.81979	-0.15344
1911	2	-0.100311	-4.48755	2.88739	-3.30142	0.876495	-0.2847	-0.2847	-1.59573
1911	3	-0.561554	-2.33823	0.59967	3.14E-02	-0.29068	4.83E-02	4.83E-02	-2.97717
1911	4	-3.54358	-2.05969	2.82272	-2.20007	1.38367	-4.31705	-4.31705	-0.84317
1911	5	-1.16E+00	-0.42139	1.36197	-1.18365	-1.18E-02	1.1976	1.1976	-1.7666
1911	6	-1.80841	3.15231	-1.75156	-0.39624	-2.4451	0.984436	0.984436	-3.21277
1911	7	0.539154	-1.25717	-0.66522	-4.16122	-2.33591	-3.28482	-3.28482	-4.67062
1911	8	-1.53818	-0.22162	-1.56485	-3.41193	-1.03372	-1.56882	-1.56882	-0.95773
1911	9	1.88391	5.71E-02	-7.93E-02	-0.6171	-0.93051	-3.27783	-3.27783	-2.00534
1911	10	-2.71469	-0.74677	-1.30679	1.36838	2.71057	-2.01004	-2.01004	-1.77722
1911	11	1.02917	-0.54645	-3.37628	-1.74292	-3.51385	-2.64145	-2.64145	-2.1611
1911	12	0.19986	0.906708	1.06915	1.90439	-1.90765	2.9725	2.9725	-7.54718
1912	1	2.99594	0.881104	1.60175	3.76355	-3.18558	0.589081	0.589081	-3.34003

1912	2	-1.50372	-0.79398	-6.22873	1.5336	0.654297	-4.61459	-4.61459	-7.78946
1912	3	-1.18005	-0.34152	8.04E-02	1.41953	0.169922	0.846252	0.846252	-7.517
1912	4	-1.41E+00	-5.7735	0.921112	0.886536	4.64E-02	1.43903	1.43903	-1.90408
1912	5	-2.29129	2.298	-2.32303	-0.72037	1.22614	-0.48019	-0.48019	-1.58643
1912	6	-1.27832	-1.25	-2.49756	-1.16324	-1.96201	0.485535	0.485535	-2.40506
1912	7	-0.720856	-2.9491	2.39047	-4.24081	-1.931	-0.42041	-0.42041	-1.3634
1912	8	-4.35449	-0.99832	0.890656	-2.25153	-0.51953	-1.20615	-1.20615	-3.97284
1912	9	-1.30518	0.627258	-2.15195	0.955902	-1.1304	-3.06082	-3.06082	-2.83295
1912	10	-0.157715	-0.66675	-7.3967	1.89337	0.388672	-0.64475	-0.64475	-3.49384
1912	11	-1.12473	1.53986	-1.02301	-4.77762	-0.78806	-4.40665	-4.40665	-6.4758
1912	12	-5.44724	0.196899	-2.29565	-1.60132	-4.64844	-4.70337	-4.70337	1.55133
1913	1	1.92792	-5.00E-02	2.25693	-4.60175	-0.76117	7.28E-02	7.28E-02	-2.80832
1913	2	0.14978	-4.43497	-3.71542	-6.39932	-1.85541	1.19812	1.19812	-1.79514
1913	3	-1.47974	-1.77612	1.08588	-6.89526	-2.68689	1.02844	1.02844	2.62592
1913	4	-0.298798	0.862701	-2.6152	-4.69516	-1.29855	6.41E-04	6.41E-04	-1.29E-02
1913	5	-1.66809	-5.2543	1.01517	0.221344	-1.25076	-3.38599	-3.38599	-3.72391
1913	6	-1.93573	-1.34518	-1.33447	-0.97144	-1.034	-0.11987	-0.11987	-1.09158
1913	7	-3.56967	-2.71909	-0.64203	-2.20151	-2.13611	4.85E-02	4.85E-02	-2.54282
1913	8	-4.13547	0.632904	-1.09515	1.63629	-0.95703	-1.31464	-1.31464	-1.99915
1913	9	-4.01627	-3.30536	-3.39084	-2.17581	-1.82703	-3.59314	-3.59314	-0.52393
1913	10	-1.28189	-1.88626	-0.79971	-1.73853	-2.53503	-0.91635	-0.91635	-0.65283
1913	11	-3.25403	-2.01425	1.66962	-0.29141	-0.14578	0.511169	0.511169	-0.26831
1913	12	0.376587	1.17712	-6.70706	-2.99622	-0.83023	-2.83737	-2.83737	1.85294
1914	1	-2.40427	-1.95609	-1.46896	4.72446	-2.77927	-2.97241	-2.97241	0.561584
1914	2	0.57666	-0.45105	-0.95041	2.28458	0.412506	2.08301	2.08301	-0.76096
1914	3	-0.819763	-2.89072	-6.08453	-1.40805	0.7005	3.25894	3.25894	1.3103
1914	4	1.48471	0.913818	-4.95139	-2.58255	-0.33054	0.943451	0.943451	1.4913
1914	5	-1.77069	-0.28479	0.396851	-3.60876	-2.92068	0.772614	0.772614	-5.2182
1914	6	0.331665	-2.56848	-0.37277	-3.20975	-0.74109	-2.64676	-2.64676	-3.19357
1914	7	-0.68457	-3.90457	2.46616	-1.59732	1.345	-3.30032	-3.30032	-2.81131
1914	8	-3.37778	-1.0043	-0.40314	-1.08392	1.53928	-0.74335	-0.74335	-2.32614
1914	9	-1.54376	-4.54056	-2.25146	2.0033	1.54559	-1.98193	-1.98193	-3.53745
1914	10	-2.87E+00	0.364563	-4.13129	-2.14923	-5.45E-02	-4.79407	-4.79407	-0.35013
1914	11	-2.64374	1.68585	-0.90329	-0.18512	-1.77737	0.274872	0.274872	-2.66611
1914	12	3.55759	-1.7283	1.20926	-0.91101	-10.0357	-0.55518	-0.55518	-0.84357
1915	1	-1.80658	-0.9838	-2.46085	-2.77026	-1.70087	-1.23312	-1.23312	-4.46362
1915	2	-3.29303	2.79865	1.26688	-4.728	-3.5618	-1.71909	-1.71909	-4.15024
1915	3	-3.96906	1.2384	-1.03174	1.56705	0.194611	-1.72174	-1.72174	-3.69067
1915	4	-0.571991	1.75403	-3.741	-0.53928	-2.16394	-2.83307	-2.83307	-0.32327
1915	5	0.744598	-0.69998	-0.30634	-1.95508	-0.89056	-1.87799	-1.87799	-0.298
1915	6	-2.94913	-1.0452	-0.65918	2.35254	-0.8114	-2.91718	-2.91718	-1.64456
1915	7	-1.93387	-0.6055	-1.56052	0.742279	-0.7724	-1.3613	-1.3613	-0.65601
1915	8	-1.38007	-2.43121	-1.32654	-0.68601	-2.56644	-0.17273	-0.17273	-2.66675
1915	9	-1.91187	-3.43414	-3.84225	1.43469	-1.44043	-2.92773	-2.92773	-1.37845
1915	10	0.877502	-2.96564	-2.98941	-0.86502	1.02917	-0.31094	-0.31094	-0.16782
1915	11	-7.16E-02	-1.26254	-0.90619	0.475983	-1.70517	2.81E-02	2.81E-02	2.5657
1915	12	3.29047	-1.59848	-0.14185	0.764862	-2.98764	1.97302	1.97302	-1.69067

1916	1	0.655121	-0.78	2.28845	1.17615	-3.55136	3.59088	3.59088	0.950073
1916	2	1.55737	-1.99847	2.31827	2.84488	1.66159	0.833008	0.833008	4.93335
1916	3	-3.14255	-2.1673	3.60385	1.42523	1.71741	0.565948	0.565948	3.5632
1916	4	-2.31808	-1.55917	-0.31119	1.10284	-0.85983	-0.16916	-0.16916	-2.45428
1916	5	-0.985901	-2.70599	-0.60703	9.70E-02	-2.24527	0.737396	0.737396	-0.99652
1916	6	-1.19653	2.23041	-1.77548	-3.33426	-0.28339	-2.50757	-2.50757	1.86502
1916	7	-1.56766	-1.1319	-0.77194	0.182465	-0.815	-2.7605	-2.7605	-1.44553
1916	8	-1.34027	-3.84531	-1.68845	-1.66962	-0.62894	-0.81802	-0.81802	0.49115
1916	9	-2.04358	-0.70596	-2.21945	0.938599	-0.69431	4.40E-02	4.40E-02	-2.66104
1916	10	-0.62262	-1.34546	3.1554	-3.10941	2.21448	-1.92776	-1.92776	-1.39581
1916	11	-0.744141	-1.19476	-2.63849	-0.8544	0.854034	0.244049	0.244049	-2.42789
1916	12	1.47638	2.27872	-5.94E-02	-2.08731	-2.08475	-0.9379	-0.9379	-3.02606
1917	1	-1.21417	-0.4642	-2.91846	-4.57684	3.60022	1.18488	1.18488	4.10306
1917	2	2.88489	3.14584	-3.33771	3.31198	3.53812	3.1264	3.1264	0.669647
1917	3	-2.86E+00	6.22E-02	-0.32852	-4.95367	2.18E-02	0.572632	0.572632	-7.98618
1917	4	-0.72879	-9.80E-02	0.791595	-4.59976	0.343262	-5.73065	-5.73065	0.830902
1917	5	2.22742	3.71402	-2.15735	-0.83728	-2.14877	-2.93729	-2.93729	-1.10822
1917	6	1.99677	0.213501	-0.42398	-4.14E-02	0.634705	-3.43985	-3.43985	-1.52847
1917	7	0.294342	-1.65918	-0.52783	1.65067	-0.4068	-1.40112	-1.40112	-1.08292
1917	8	-1.30908	0.509186	-1.94495	0.99649	-1.99612	-2.75674	-2.75674	-2.91473
1917	9	-2.89056	-1.99545	-3.71466	-2.86911	-2.4259	-1.36993	-1.36993	-1.40433
1917	10	-1.2392	-3.66904	1.21771	-1.52991	-0.83353	3.03E-02	3.03E-02	-2.02661
1917	11	-0.28653	-0.61585	0.951416	3.1225	0.997437	1.66736	1.66736	-1.4248
1917	12	-3.17563	-0.8537	-0.45557	-5.44623	-2.68555	2.96442	2.96442	-3.66696
1918	1	-4.87546	-0.49298	-0.48105	-1.00516	0.245544	-3.14752	-3.14752	-2.49454
1918	2	-0.826538	-1.99835	-0.65161	-4.5961	-2.67249	0.799805	0.799805	-0.88266
1918	3	-4.42E-01	1.78	-1.99472	3.59143	-7.77E-02	-0.18927	-0.18927	-6.37238
1918	4	-1.97519	-1.03568	0.661896	-8.41E-02	1.09494	-5.38E-02	-5.38E-02	0.151215
1918	5	-1.07669	-0.33139	-0.36664	0.69812	-1.11337	-0.2627	-0.2627	-0.91431
1918	6	-1.71283	-0.1409	-1.52927	0.708252	-2.6795	-2.71527	-2.71527	-1.16138
1918	7	-3.28427	1.13303	-1.53E-02	-1.62622	-0.27322	-2.48471	-2.48471	-2.48032
1918	8	-0.772278	0	-0.71274	0.81839	1.60037	-2.16553	-2.16553	-1.42795
1918	9	-6.41928	0.181549	-4.54047	2.0459	0.9599	-1.15024	-1.15024	0.886261
1918	10	-2.74271	-0.80814	-0.7945	-2.44522	-2.69745	-1.28925	-1.28925	1.40356
1918	11	-0.572937	-1.82465	0.344604	-2.21503	0.276245	-0.12833	-0.12833	0.640411
1918	12	-1.51733	-1.8941	0.511444	1.66876	-0.54303	-0.66977	-0.66977	-1.25558
1919	1	0.87262	-3.4859	1.54535	5.55225	-4.38367	2.05389	2.05389	-0.69794
1919	2	-0.621338	-1.42618	-4.61743	-2.17401	-0.96881	-1.5538	-1.5538	-1.72745
1919	3	-1.27164	0.810577	-0.77203	-2.25955	-3.16449	1.54715	1.54715	0.157227
1919	4	9.04E-02	-1.84509	4.677	1.19025	-1.37305	-0.25186	-0.25186	0.172302
1919	5	-0.125183	2.48581	-0.29135	-1.86218	-3.55188	-0.4566	-0.4566	1.5285
1919	6	-3.57162	2.33792	-0.66376	-0.94254	-1.12091	0.360352	0.360352	-0.81226
1919	7	-3.52487	1.00763	1.18408	1.64679	0.139282	-1.12201	-1.12201	-2.47363
1919	8	-2.71158	-2.71E-02	-3.01736	-1.12073	0.128265	0.80246	0.80246	-1.03424
1919	9	0.399719	-2.78314	-2.38266	-0.5462	0.250977	-3.34854	-3.34854	0.930969
1919	10	-0.261597	-1.08466	-1.58499	-2.32812	-0.42114	-2.51605	-2.51605	0.933289
1919	11	1.32E+00	-0.41547	-1.9054	0.744598	1.83E-02	1.33356	1.33356	2.28549

1919	12	1.79376	-0.4278	-4.99466	-1.38364	1.47595	-0.4708	-0.4708	1.15121
1920	1	-1.07126	1.66562	-0.38266	-4.70685	-2.91006	-3.13522	-3.13522	-2.19604
1920	2	-5.15E-02	-1.33246	4.78909	-7.1199	-3.39871	-1.75369	-1.75369	0.755341
1920	3	1.62064	-1.43741	0.579071	1.60513	-0.9133	0.667633	0.667633	4.57123
1920	4	0.458618	-0.44928	-3.55408	-0.72955	-1.42496	-0.84076	-0.84076	-0.28458
1920	5	-1.36029	-6.22E-02	-0.71823	-1.85626	-1.06808	-1.80429	-1.80429	-0.29813
1920	6	-0.897522	1.26291	-0.64328	-1.83725	-0.8324	-0.23508	-0.23508	-2.71118
1920	7	-2.78235	-0.13467	-0.12463	-1.15244	0.677795	-1.66891	-1.66891	-2.44153
1920	8	-1.73227	0.135193	-0.49634	1.40628	-0.35623	-2.02823	-2.02823	-0.86774
1920	9	-2.22049	-0.61105	2.66516	-0.58139	-0.91211	-2.84824	-2.84824	1.22256
1920	10	-4.11819	-3.43704	1.7886	-2.79773	2.58517	-1.91824	-1.91824	-2.23972
1920	11	-3.13242	2.94196	-1.40619	2.01569	-0.35745	1.97458	1.97458	-1.2999
1920	12	0.615662	-3.194	1.58026	-2.08472	-0.58756	2.45093	2.45093	0.726227
1921	1	-2.56E-03	-0.96939	1.84573	0.159851	-3.66486	-1.95432	-1.95432	-1.77164
1921	2	-7.84503	-2.10007	-1.55151	2.46558	0.72641	0.910309	0.910309	-0.59815
1921	3	-0.128754	-0.57163	4.47E-02	0.899445	-0.31879	-2.26184	-2.26184	-0.34869
1921	4	-0.717285	2.21521	-1.25638	-1.42575	-1.04895	-0.46335	-0.46335	-1.40567
1921	5	-1.15018	-0.54959	-0.46683	-3.11078	1.45013	-0.46549	-0.46549	-2.7103
1921	6	-1.12003	-0.13889	1.14923	-1.69595	-1.85818	-0.18915	-0.18915	-2.32547
1921	7	-3.03076	-3.51498	1.17017	-2.84122	-3.96472	-0.31851	-0.31851	-0.8345
1921	8	-0.674866	0.460602	-1.25586	-1.68991	-0.93231	-0.65723	-0.65723	-2.80234
1921	9	-4.29E-02	-2.79205	-1.96246	-2.79321	3.07437	-3.56894	-3.56894	-1.94254
1921	10	-1.724	-3.16074	-3.8345	1.85309	1.69467	-1.10794	-1.10794	-1.02054
1921	11	-2.62662	0.621643	-0.54428	-2.83032	1.88742	0.179474	0.179474	-4.44391
1921	12	2.45746	-1.1488	2.71936	2.87378	-6.63596	-2.24268	-2.24268	-1.15897
1922	1	3.72324	-7.25058	0.812225	-0.28876	-1.76837	-2.41013	-2.41013	1.51816
1922	2	-2.72812	0.859924	-1.37631	-4.64999	-0.2374	-1.30118	-1.30118	-2.14374
1922	3	1.91E+00	0.69928	-2.95132	-2.43207	-6.80E-02	3.90894	3.90894	-4.75E-02
1922	4	-0.684906	-4.56E-02	-1.95258	0.25705	-0.65186	0.270325	0.270325	-1.23169
1922	5	-2.8786	-0.3508	-3.05725	-1.18097	-0.68857	-2.06641	-2.06641	-2.86902
1922	6	-1.12073	-1.02338	-0.73056	-3.27515	-0.41959	-1.98837	-1.98837	-2.75027
1922	7	1.67725	-0.61279	-0.22543	-2.16031	0.363892	-2.6283	-2.6283	-1.06641
1922	8	-2.44919	-2.23E-02	1.13834	-1.26901	-1.86533	-3.75833	-3.75833	-0.30325
1922	9	-2.20538	0.963531	1.35486	-0.69739	-2.01871	-0.76773	-0.76773	-3.66733
1922	10	-1.4906	-1.53006	-0.37579	-1.27991	-1.74014	1.74106	1.74106	-2.28082
1922	11	-1.67233	-2.38055	0.372314	-3.6427	-0.25195	1.53467	1.53467	2.091
1922	12	-0.606415	0.219299	-3.16684	-4.22E-02	-1.54834	2.76343	2.76343	-1.53546
1923	1	2.24713	1.9505	-1.06125	0.118347	-1.52496	1.81189	1.81189	-3.85892
1923	2	-0.25943	-4.47186	0.61557	2.79028	-2.58688	0.202026	0.202026	3.66754
1923	3	1.10223	-0.909	-9.81E-02	0.71463	0.162201	-1.64404	-1.64404	-0.39008
1923	4	2.349	-0.60159	-2.8989	-3.21506	-0.36316	0.854828	0.854828	-3.15118
1923	5	-1.06268	0.183899	1.16397	-3.06638	-0.22327	-1.55231	-1.55231	-1.8345
1923	6	-1.34464	0.59021	0.307617	0.296753	-2.67169	-0.92737	-0.92737	0.27243
1923	7	-2.30606	0.395416	2.81497	0.303986	-1.2135	-0.55512	-0.55512	-1.66901
1923	8	-1.98749	-2.4617	-1.20544	-1.17172	0.194061	-3.42752	-3.42752	-3.49203
1923	9	-4.71027	-1.66586	-1.54337	-1.5437	2.15567	-2.66742	-2.66742	-1.94684
1923	10	-2.9632	-4.31805	-1.14551	-1.45462	-1.38394	-1.90414	-1.90414	-2.72903

1923	11	1.24258	-1.62164	-3.0593	-3.18671	1.06314	-0.69232	-0.69232	-1.71301
1923	12	-0.225433	-0.85858	-5.13214	-2.78943	-5.15024	-2.4068	-2.4068	-1.60178
1924	1	0.232239	-1.00009	-4.44135	-2.14944	-7.13705	-2.76831	-2.76831	2.09656
1924	2	0.326477	-1.26038	-0.82233	0.480591	-2.58499	-4.2103	-4.2103	2.62247
1924	3	-0.515045	-0.9191	0.26416	1.51904	-1.16669	-3.16315	-3.16315	1.60672
1924	4	-0.132782	-1.64288	-2.5737	-1.08286	1.67847	-2.01175	-2.01175	-0.47089
1924	5	-0.144989	-0.79749	-0.15784	-1.79297	-2.91476	-1.7182	-1.7182	1.16589
1924	6	-2.31711	2.58401	-1.21118	-2.01755	-1.8905	-0.48206	-0.48206	-0.87946
1924	7	-2.22986	-1.80048	-0.50082	1.01358	-0.22443	-3.44141	-3.44141	-2.78091
1924	8	-2.06E+00	1.1265	-1.30817	-1.12091	9.03E-02	-1.72034	-1.72034	-3.04306
1924	9	0.471436	-2.27185	-1.51736	2.05209	-2.16141	-2.28873	-2.28873	-3.07025
1924	10	-1.1843	1.20764	-2.07581	-0.82541	-1.72244	-0.57056	-0.57056	0.499573
1924	11	-0.990326	-0.86655	-3.87421	0.291473	-0.14996	-2.33115	-2.33115	1.32529
1924	12	-0.415314	-1.4303	-0.98096	-2.36093	1.30936	2.20E-02	2.20E-02	1.13123
1925	1	-5.78726	0.250519	-3.79218	2.41125	-2.69485	2.0527	2.0527	1.87967
1925	2	-2.55713	-1.29227	-1.89981	3.2312	-1.69391	2.8967	2.8967	0.299744
1925	3	-2.21524	1.35468	-3.21985	2.59555	0.129517	3.76614	3.76614	-1.33038
1925	4	1.0907	3.24872	5.90E-02	-0.76025	-0.39484	2.62375	2.62375	-1.521
1925	5	-1.6423	-0.33478	-1.75662	-1.82617	-0.42236	-0.29569	-0.29569	-0.63812
1925	6	-1.76694	-1.22E-02	-1.02786	8.08E-02	-2.2637	-3.40225	-3.40225	-2.37396
1925	7	0.224457	0.970703	-2.07162	-2.13531	-0.2912	-0.9996	-0.9996	-2.1647
1925	8	-0.937073	1.53387	-2.47516	-2.06891	-1.24402	-2.37344	-2.37344	0.791443
1925	9	-3.50159	1.87393	-2.89975	-3.89041	-2.01431	-2.16632	-2.16632	-2.21515
1925	10	-1.21701	-1.65295	-0.28989	-0.73203	-1.42105	-8.51E-02	-8.51E-02	1.10406
1925	11	0.306061	-1.99844	4.5343	-1.47922	-0.32956	-4.56473	-4.56473	1.11429
1925	12	-0.845825	-4.2319	-2.37897	-0.18793	1.11365	-3.19687	-3.19687	-2.45837
1926	1	-0.357269	-0.8941	4.28983	-0.30386	-1.15106	1.04819	1.04819	-0.57752
1926	2	-0.965424	-0.84216	-2.40262	-1.48941	-1.44769	2.85413	2.85413	-1.02344
1926	3	1.45224	2.39209	-2.13284	-0.82806	-2.3454	0.598938	0.598938	-1.69458
1926	4	0.916199	-1.84857	2.68762	-1.73907	-2.23303	0.99115	0.99115	0.950012
1926	5	-0.146484	-8.70E-03	-2.36594	-1.53656	-0.93088	-0.36191	-0.36191	2.20639
1926	6	-2.52542	-1.8591	1.33072	-0.29346	-1.66489	-1.56216	-1.56216	1.05362
1926	7	0.282654	-1.81207	3.45108	0.475067	-0.40561	-0.1911	-0.1911	0.204285
1926	8	-1.59988	-1.21402	1.08923	-1.19492	-0.89182	-2.22964	-2.22964	-1.28485
1926	9	-0.99707	8.36E-02	-3.09924	2.07E-02	-0.3428	1.27716	1.27716	-0.30933
1926	10	-2.14081	1.15854	-2.0535	-2.354	-1.88324	-1.82974	-1.82974	-0.82251
1926	11	-6.13E-03	1.45624	-0.38959	-4.5495	2.43964	-2.25302	-2.25302	0.420807
1926	12	-4.60083	-1.0318	-1.75714	1.74747	0.671356	-0.73798	-0.73798	-3.84998
1927	1	1.19482	1.23401	-1.69577	2.23044	-1.81317	-0.5625	-0.5625	0.727081
1927	2	-0.757324	1.75183	-1.70331	2.46878	0.796112	-3.64209	-3.64209	-0.89453
1927	3	2.69656	4.2825	5.45E-02	0.696533	-0.93439	1.33716	1.33716	-1.0679
1927	4	-0.985901	2.75891	-0.18778	1.77945	-0.63455	-0.33365	-0.33365	-0.9968
1927	5	-1.2132	-2.04889	-1.64523	1.60504	-1.71478	0.444519	0.444519	0.396301
1927	6	-1.41681	-0.65198	0.199646	-0.85794	-0.78949	-3.03885	-3.03885	-1.68698
1927	7	0.10733	-1.81558	0.347168	0.140869	-1.5058	-1.00681	-1.00681	-0.25513
1927	8	1.02551	-2.81662	0.874634	-2.22083	0.505463	-1.52554	-1.52554	-0.38324
1927	9	-0.487183	-2.76324	-1.84476	-0.20081	-1.06931	1.52756	1.52756	-0.19846

1927	10	-0.867218	-1.81714	-0.49439	-1.61981	1.35126	1.36774	1.36774	1.29779
1927	11	0.622162	-1.17E-02	-2.10141	0.647797	2.93033	-1.99155	-1.99155	0.345001
1927	12	-3.59103	0.671814	2.56033	-5.95682	-3.31946	-3.33148	-3.33148	-1.99817
1928	1	-5.50476	-2.08939	4.38773	0.841858	-6.09897	3.30338	3.30338	1.81088
1928	2	1.93927	2.16214	3.17667	0.806183	1.2258	-0.7952	-0.7952	5.01944
1928	3	-5.00906	-0.7428	-0.70435	6.71973	-3.59219	3.68704	3.68704	0.289398
1928	4	-1.3605	-0.8971	-1.45679	3.76825	-2.49814	-0.11667	-0.11667	-1.48389
1928	5	-0.804504	-4.21899	-4.18784	-1.32767	-0.23969	-2.14389	-2.14389	-1.21143
1928	6	-2.39493	2.92E-02	0.410645	1.92206	-1.99069	-2.49628	-2.49628	-1.57028
1928	7	-1.88205	0.784302	-2.52222	-1.48334	-0.98721	-1.59082	-1.59082	-2.81461
1928	8	-0.946686	0.398102	-3.39755	-1.08142	0.675385	-1.42844	-1.42844	-2.68976
1928	9	-1.19537	-1.70667	0.464355	2.92499	-1.3432	-3.09473	-3.09473	-2.97543
1928	10	-1.76471	7.06E-02	2.83359	-3.97821	1.77057	-2.48456	-2.48456	-1.91873
1928	11	-1.84E+00	-0.94577	-1.28299	-4.60641	8.73E-02	-3.72205	-3.72205	-3.0455
1928	12	-0.827515	-0.34299	-2.51944	-0.55252	-1.44556	-2.65E-02	-2.65E-02	-1.84167
1929	1	-2.46616	-5.02E-02	-1.69397	4.57733	-1.29608	-4.90891	-4.90891	2.69806
1929	2	1.45847	-2.05905	-3.06262	4.29221	-5.13959	-0.12369	-0.12369	4.01276
1929	3	-0.95816	1.64938	0.524963	-0.53317	-2.37579	-0.94174	-0.94174	-7.60648
1929	4	1.59741	-1.23169	-2.81277	0.644135	1.15524	-4.14645	-4.14645	-2.5347
1929	5	-1.70108	0.279022	-2.11203	1.33783	1.63171	-0.21909	-0.21909	-2.30051
1929	6	-3.16391	0.668823	0.369446	-2.20114	1.56299	-0.54996	-0.54996	-2.27307
1929	7	-4.67386	-1.33868	1.08667	0.533386	1.66779	0.170502	0.170502	-2.20673
1929	8	-2.00488	0.327179	0.568237	0.432678	-0.19162	-0.89114	-0.89114	-1.40964
1929	9	-1.73587	-1.74527	-1.13077	-1.19931	2.23709	-1.70212	-1.70212	-1.48825
1929	10	-1.48199	-1.48087	-5.8895	-1.41241	-2.67773	1.08383	1.08383	-1.25552
1929	11	-3.19174	0.307251	0.620514	-3.10571	1.09235	1.36615	1.36615	-3.146
1929	12	-0.718719	-2.29279	-1.15936	-2.80573	-0.43683	0.600403	0.600403	-0.73337
1930	1	-4.19067	5.56E-02	-4.46545	-4.21536	2.90652	4.8009	4.8009	-4.67493
1930	2	-1.85672	-10.274	-3.96E-02	-1.27652	6.2594	4.33871	4.33871	-3.44113
1930	3	-1.51694	-3.52402	-0.63855	4.44925	-0.57739	1.71533	1.71533	-4.11789
1930	4	-1.1474	-2.76028	-0.9386	1.89703	-1.47614	-0.61816	-0.61816	-2.4339
1930	5	0.654602	0.146606	0.151276	-0.97257	1.77472	-0.19861	-0.19861	-1.79501
1930	6	-1.79321	-0.90079	-1.05026	-1.87204	1.8298	-0.71198	-0.71198	-2.93878
1930	7	-1.65036	-3.3165	-0.81543	0.452087	2.05008	-1.98E-02	-1.98E-02	-2.01953
1930	8	0.917419	0.748383	-0.66715	-3.85193	-2.06052	-0.47095	-0.47095	-0.26215
1930	9	-2.44028	-0.49875	-9.34E-03	2.3414	-0.12891	-2.82684	-2.82684	-1.78635
1930	10	-0.551697	-2.56036	-1.09909	1.29108	-1.58435	0.81543	0.81543	-1.75082
1930	11	2.02039	0.907257	-3.7099	1.04617	-0.44748	-1.77722	-1.77722	-0.82599
1930	12	1.22656	0.766602	-5.24994	-2.80301	-5.08826	1.4884	1.4884	-0.52228
1931	1	2.52432	1.13522	0.932434	-9.11586	-2.44827	-1.9021	-1.9021	0.235168
1931	2	2.43729	-0.38385	0.354767	-8.2883	2.0159	1.86542	1.86542	2.81506
1931	3	-8.44E-01	2.3223	-1.34622	-7.67755	-8.30E-03	-2.79056	-2.79056	0.140198
1931	4	-6.75E-02	0.554626	-4.3847	0.490051	-0.88196	1.16623	1.16623	2.5166
1931	5	-1.86728	1.5368	-1.30322	3.86954	-1.54129	0.671814	0.671814	2.44E-02
1931	6	-2.42932	-1.27219	0.436035	1.46344	-0.85669	-0.61386	-0.61386	0.411743
1931	7	1.27734	-2.8895	-1.93954	-1.93692	-1.01651	-2.12939	-2.12939	0.338776
1931	8	1.19254	0.628876	-0.59045	3.0134	-1.67892	-2.06384	-2.06384	-2.34766

1931	9	8.33E-02	-0.37405	-1.63766	-1.31839	-0.83682	-2.28E-02	-2.28E-02	-3.12933
1931	10	0.630798	2.92996	0.483093	-1.7182	0.866272	1.15314	1.15314	-6.54E-02
1931	11	-1.30933	-7.05E-02	-1.45468	-1.51233	1.45493	-1.08853	-1.08853	2.68689
1931	12	-1.54544	1.2428	-0.60614	1.70218	-1.51843	-5.18378	-5.18378	-1.17746
1932	1	2.97E+00	4.0307	-1.11255	-4.93124	-6.80E-02	-1.48782	-1.48782	-3.90622
1932	2	-2.59E-01	1.28903	-1.54813	1.7478	-8.63E-02	-1.3237	-1.3237	-0.25156
1932	3	-1.28574	-3.10461	-4.12164	0.877136	1.67822	-0.56604	-0.56604	1.49033
1932	4	2.6499	1.00513	-3.0921	2.00885	-1.52313	-1.20297	-1.20297	0.362915
1932	5	2.26062	1.3038	-0.87485	-0.92957	-0.30789	-1.73291	-1.73291	0.534485
1932	6	-0.297607	-1.25369	-2.67438	-3.76135	-1.0123	-1.65005	-1.65005	-0.56677
1932	7	1.70123	0.799927	-1.44693	-2.78223	-1.84122	-2.81921	-2.81921	-1.2337
1932	8	-0.787292	-0.47443	-2.46994	-4.26102	-1.10544	-2.36484	-2.36484	1.84064
1932	9	0.143829	-2.89835	-2.17847	-5.2883	-2.94913	0.67218	0.67218	-2.64233
1932	10	2.98E-02	1.28094	-1.54309	-2.99463	-1.84485	2.10745	2.10745	-1.87851
1932	11	0.415985	-3.54675	-0.21881	-1.69E-02	-1.91818	0.860657	0.860657	1.6282
1932	12	-0.776917	-2.01138	-2.43E-02	8.52E-02	-3.33286	-6.2139	-6.2139	2.66022
1933	1	0.493042	0.1604	-0.63065	-2.33246	-1.07968	-7.13651	-7.13651	0.833557
1933	2	4.72406	3.14203	-4.86142	-3.32172	-2.2879	-7.21597	-7.21597	-0.27396
1933	3	2.28424	1.16119	-4.07355	0.818726	-0.71417	-1.74155	-1.74155	-1.46088
1933	4	2.02942	-0.95679	1.19461	-5.31396	-0.59546	-2.62265	-2.62265	1.09991
1933	5	-0.882477	4.38562	1.55176	-3.47516	-1.65356	-1.4686	-1.4686	-0.9617
1933	6	-1.03842	1.263	-1.12708	1.27866	1.66031	-2.01257	-2.01257	-0.70416
1933	7	-1.53555	2.65961	0.656158	-1.44724	0.309601	-0.7132	-0.7132	-1.26602
1933	8	-1.59607	0.335693	-0.93405	1.6095	-1.14041	-0.71152	-0.71152	-1.50696
1933	9	-0.312988	-2.39615	1.63126	-0.2439	-1.79993	-1.67014	-1.67014	-1.21375
1933	10	-5.65E-02	-2.66946	2.51651	-6.60E-02	0.258148	1.49615	1.49615	-0.95554
1933	11	0.303558	1.55435	2.22049	-2.56021	1.37463	-0.23074	-0.23074	-0.1951
1933	12	0.801575	-2.2583	-1.23096	-5.43762	-0.37445	-3.91937	-3.91937	1.92822
1934	1	-0.453552	8.59E-02	-0.29038	-0.31137	-0.88507	-0.4155	-0.4155	4.45926
1934	2	-1.31921	-2.46338	3.99667	-4.74542	-0.1182	-3.17249	-3.17249	0.196167
1934	3	0.472961	0.317078	-1.05484	-0.55325	1.8634	-1.58224	-1.58224	-4.50208
1934	4	-2.33E+00	1.51102	-2.59769	-0.27277	-2.18E-02	-2.16177	-2.16177	-0.85867
1934	5	-0.264801	0.996307	-2.29263	1.03674	0.286407	-2.57019	-2.57019	-3.07932
1934	6	-2.41E-02	-2.0061	6.59E-02	-4.96725	-0.86841	-1.58987	-1.58987	-2.90656
1934	7	-1.79865	-0.99197	-0.96402	-2.00552	3.25879	-0.21991	-0.21991	-2.31763
1934	8	-0.948578	0.578186	0.935944	-1.13843	1.31079	-1.03165	-1.03165	-0.92304
1934	9	-0.696472	1.51154	-0.57056	-2.05869	0.237579	-2.17822	-2.17822	-2.41013
1934	10	1.9859	-2.14145	-0.8667	-2.49661	0.86795	-2.30966	-2.30966	-1.07953
1934	11	-2.20773	-0.92407	-1.78079	-2.7153	0.222839	-2.25363	-2.25363	0.857391
1934	12	-0.629913	-3.14868	2.49805	3.41177	-3.85583	-0.76547	-0.76547	-0.43356
1935	1	-2.57196	2.11771	8.30E-02	1.51114	2.74515	0.432098	0.432098	-1.48572
1935	2	8.88E-01	2.75595	-1.75363	1.77631	9.92E-02	0.757416	0.757416	0.225769
1935	3	-1.10876	1.93179	-3.33353	2.96793	-0.547	0.148346	0.148346	-3.53809
1935	4	0.7341	1.49911	-2.76068	-1.11966	1.40137	-2.41046	-2.41046	-1.3494
1935	5	-2.65378	-0.43259	2.89056	0.207336	1.73651	1.1044	1.1044	-1.22601
1935	6	-0.983337	2.98462	-0.51987	-1.24066	0.723816	-0.75955	-0.75955	-0.92658
1935	7	-2.44E+00	-0.16248	1.66037	-0.98932	9.24E-02	-0.71051	-0.71051	-0.83331

1935	8	-1.79709	4.11749	2.14655	-2.02161	0.518463	-1.21E-02	-1.21E-02	-0.26166
1935	9	-0.986664	3.28406	-0.76666	0.748505	-3.30713	-3.80573	-3.80573	-1.96304
1935	10	0.719086	0.686646	3.09052	-0.30432	3.19366	0.187256	0.187256	1.53568
1935	11	-0.884125	-3.59286	-0.98608	2.2923	1.09512	-3.04153	-3.04153	-1.27151
1935	12	-3.44241	0.361725	-3.54587	-7.10562	0.54126	-1.267	-1.267	2.29343
1936	1	-2.63165	1.1788	-1.49326	0.968231	2.46872	2.12369	2.12369	-2.69724
1936	2	-1.92682	-1.90848	-5.48083	-2.22522	0.700989	-5.7269	-5.7269	-3.45E-02
1936	3	-1.46375	-2.03101	-5.08255	-4.00507	1.17383	-3.59396	-3.59396	-0.59659
1936	4	0.145721	-3.35248	-0.5015	1.09653	-1.61255	-2.26675	-2.26675	-0.16599
1936	5	1.35202	1.7536	-0.28333	0.944427	-1.24689	-1.04361	-1.04361	-0.44922
1936	6	-0.201416	2.55432	-0.92227	-0.35034	-0.96161	-2.92285	-2.92285	-3.06308
1936	7	-1.54385	-1.79538	-0.86383	-0.24173	-1.79431	-1.95132	-1.95132	-3.24542
1936	8	-1.62268	0.154175	-1.27234	-1.07452	-0.72562	-3.23074	-3.23074	-0.33875
1936	9	-0.621063	0.60025	1.19995	1.9357	-1.24432	-0.67163	-0.67163	0.299957
1936	10	-0.543304	-0.58347	-1.43079	-3.46933	-0.48825	0.482758	0.482758	-1.59131
1936	11	-1.55573	-0.21707	-1.92621	-2.00861	-1.10626	-0.23892	-0.23892	-2.53439
1936	12	0.858978	0.291718	-7.37015	-1.97012	-0.78064	2.3085	2.3085	-0.77289
1937	1	-3.60E-02	-2.09509	-1.16135	-3.76746	-0.93878	-1.81952	-1.81952	2.40887
1937	2	3.23697	-2.42636	-0.13803	-3.24911	-4.48929	1.46072	1.46072	-0.44165
1937	3	0.34906	7.68E-02	-1.15033	7.17E-02	-0.75189	-1.49277	-1.49277	4.80283
1937	4	-0.683289	-1.67938	-2.75919	-3.42935	0.734039	-1.86575	-1.86575	0.658813
1937	5	-2.6015	-0.23859	-0.17783	-0.37647	0.35611	-0.70569	-0.70569	0.295197
1937	6	-2.37E-01	-0.1214	-2.02768	-9.48E-02	8.76E-02	0.308533	0.308533	-1.12589
1937	7	0.346954	-0.91959	-3.62634	-3.21753	0.318878	-2.5202	-2.5202	-2.34082
1937	8	-0.189178	-0.26071	-2.76706	-2.27103	-0.23102	-1.98993	-1.98993	-0.75784
1937	9	-2.50726	-0.93677	-3.39676	0.403015	-0.54172	-2.33392	-2.33392	-1.38385
1937	10	-0.998901	-1.60855	3.18E-02	-3.6033	0.923676	2.75284	2.75284	-1.54514
1937	11	-0.460541	0.985931	5.56E-02	-1.16101	-0.92746	-0.71433	-0.71433	-2.3959
1937	12	-0.260315	-3.73529	2.73E-02	-2.95001	-0.10236	-1.9115	-1.9115	0.864716
1938	1	1.36313	1.2019	-3.79E-02	-1.28635	2.85645	-0.672	-0.672	-1.50644
1938	2	-4.15341	-0.46945	-4.10751	-3.82971	0.80191	7.5932	7.5932	0.810669
1938	3	-0.932953	0.783691	-4.37143	-4.27725	1.42023	2.30505	2.30505	3.48642
1938	4	-1.70529	0.660309	-4.85358	-0.33185	-0.31046	-4.12616	-4.12616	1.39301
1938	5	-0.462585	0.197601	-0.88745	-0.27927	0.280731	-2.09579	-2.09579	-1.02271
1938	6	-1.05481	-5.99E-02	-0.26276	0.759857	1.9913	-3.59915	-3.59915	0.267517
1938	7	0.259857	-0.46439	-1.23434	2.23688	0.136993	-1.83911	-1.83911	-0.32013
1938	8	1.31003	2.1344	-2.59714	1.8978	-1.34723	-1.87473	-1.87473	-1.83945
1938	9	-1.36359	-5.49E-04	-7.77E-02	-1.81589	2.8082	0.695557	0.695557	-0.91693
1938	10	0.253082	-2.86636	-1.7023	-4.11121	-1.18774	-0.71265	-0.71265	-1.70523
1938	11	-0.792725	-0.75555	-2.68179	-1.25223	1.02362	-1.49283	-1.49283	-4.31931
1938	12	2.03296	1.17001	1.99976	-0.22382	1.04434	-5.0795	-5.0795	1.41364
1939	1	-8.11E-02	0.414917	-1.33655	5.62494	2.26743	0.707397	0.707397	-0.55154
1939	2	-2.80774	1.49225	1.59769	0.903076	2.59479	2.05341	2.05341	-2.08194
1939	3	-1.25616	-0.68182	-0.71335	2.99033	-0.45477	-7.19687	-7.19687	1.6362
1939	4	1.88611	-2.12149	-0.6138	-4.09305	-0.19113	-0.90356	-0.90356	2.7178
1939	5	0.112	-1.62448	-0.28635	-3.60165	-0.61578	-1.42288	-1.42288	-1.45862
1939	6	-2.11652	-0.60819	3.02774	-3.02066	0.376495	-2.55215	-2.55215	-1.56146

1939	7	6.55E-01	-2.88589	2.32687	-0.32993	7.01E-02	-3.51559	-3.51559	-1.23471
1939	8	-1.85419	-1.5849	-1.06E-02	0.701172	1.47559	-1.00604	-1.00604	-2.11276
1939	9	-1.03E+00	-0.52536	0.666962	-0.46539	5.37E-03	-1.71863	-1.71863	-2.05054
1939	10	0.449982	-0.80896	0.997589	-4.54663	-0.50082	-1.94846	-1.94846	-3.55652
1939	11	0.499969	-1.62726	0.200714	-3.60742	0.437927	2.07578	2.07578	1.0491
1939	12	3.88828	-5.54648	-0.70984	-1.54242	-0.65845	0.745911	0.745911	0.107513
1940	1	4.13452	-0.13129	-1.03137	-1.14017	2.15314	-1.12051	-1.12051	1.17838
1940	2	0.294067	-2.34045	1.11996	-4.5968	-0.25961	4.9682	4.9682	0.823639
1940	3	1.69034	0.546997	-0.29132	-3.24088	-0.82147	-1.84396	-1.84396	-3.45789
1940	4	2.95511	-3.37289	-2.74988	-0.77466	2.09674	0.855835	0.855835	-4.50177
1940	5	-0.923798	-3.26559	-3.32904	1.33673	0.145813	-0.12448	-0.12448	-1.21371
1940	6	1.42627	-0.40488	-1.86096	2.15396	2.4494	-2.51996	-2.51996	1.59274
1940	7	-2.20E+00	-2.5376	-1.22513	2.48569	9.60E-02	-1.7399	-1.7399	-1.36581
1940	8	0.154907	-0.58691	0.511047	-0.43381	0.641083	-1.53592	-1.53592	1.05304
1940	9	-1.72018	9.05E-02	-1.87067	0.131805	-0.58713	-2.58112	-2.58112	-0.34943
1940	10	-3.9119	-0.23315	1.20209	-3.08841	1.06766	-0.73465	-0.73465	-0.45813
1940	11	-1.93E+00	-0.55927	1.35132	-6.40E-02	8.33E-02	-1.95352	-1.95352	-0.77649
1940	12	-0.510742	-0.51578	-1.71066	7.63538	-4.66443	-1.77399	-1.77399	-10.0338
1941	1	-1.05756	3.27E-02	-4.23676	6.25156	-1.50876	-3.8999	-3.8999	1.77866
1941	2	-0.505829	-5.82736	-1.53281	4.59299	-3.06949	0.497101	0.497101	-4.71506
1941	3	-2.12936	1.09338	-0.57733	1.51794	0.748901	-4.11044	-4.11044	-3.53439
1941	4	-1.99799	2.78412	-1.11768	-0.78976	-1.23065	-7.08E-02	-7.08E-02	-1.01239
1941	5	-2.05E-02	-0.14059	-3.82794	2.88782	-1.87369	-3.4986	-3.4986	-0.5603
1941	6	-3.76E+00	-3.09	-1.45108	2.52716	8.35E-02	-2.43466	-2.43466	-0.39307
1941	7	-3.71265	-2.14059	0.436371	-2.71512	-0.72232	-1.03372	-1.03372	-0.93973
1941	8	-2.63046	-4.18771	6.37E-02	2.42407	-1.06161	-2.70773	-2.70773	-0.73154
1941	9	-1.69577	-5.50397	1.73706	-1.7872	0.826874	-4.55023	-4.55023	2.13E-02
1941	10	-1.74991	-2.63766	-0.49411	1.51819	-0.46695	1.26263	1.26263	0.335968
1941	11	0.299866	-0.54196	0.240906	1.7746	-2.82446	0.474152	0.474152	-0.4982
1941	12	0.340179	-3.61368	1.71893	-3.57764	-1.81934	0.507812	0.507812	-2.23486
1942	1	5.41064	-2.31308	1.52835	6.00E-02	-2.83646	2.87738	2.87738	-4.53702
1942	2	4.41959	-2.80237	3.81E-02	-0.28012	-2.30219	-3.18588	-3.18588	-2.22064
1942	3	2.76175	8.58E-03	-1.54294	3.12595	0.409607	-4.64175	-4.64175	1.56622
1942	4	1.7919	-1.83279	1.28201	0.378143	0.946167	-1.29807	-1.29807	-0.80228
1942	5	1.34952	-2.09439	-6.20E-02	-3.43097	0.52243	-1.28738	-1.28738	-1.06262
1942	6	0.505676	0.123016	1.05594	-1.76013	0.610107	-3.03168	-3.03168	-1.89636
1942	7	1.79346	1.22491	0.955963	-2.19263	3.07819	-0.8331	-0.8331	-1.81613
1942	8	1.35013	-0.25592	0.409546	-0.58221	1.45886	-1.66913	-1.66913	-1.11325
1942	9	2.83481	1.33215	-0.26355	0.88681	3.34927	-4.75323	-4.75323	0.244873
1942	10	1.33798	-1.98834	1.9725	1.9249	3.00568	-4.38354	-4.38354	-0.62262
1942	11	-2.05524	-2.50916	0.915619	-3.13651	3.00522	2.16907	2.16907	-2.7056
1942	12	0.255463	-1.41129	-6.70917	-4.54431	2.13947	0.747925	0.747925	-1.10599
1943	1	-2.03418	-1.1611	1.04163	-0.88754	-1.98538	2.90469	2.90469	2.84766
1943	2	-0.845612	0.528442	1.12109	4.16318	-3.1817	2.13821	2.13821	3.39276
1943	3	-1.09296	-2.39243	1.24686	-0.40726	-2.78137	0.210754	0.210754	-1.04218
1943	4	-1.95929	-3.83807	-1.99359	1.68823	1.90247	-1.55286	-1.55286	1.08481
1943	5	-0.375183	-2.60049	0.524567	0.303345	-1.69598	-1.8345	-1.8345	-1.47171

1943	6	-2.16962	-2.67508	1.04074	-1.36566	-0.20929	-0.81467	-0.81467	-2.39648
1943	7	-0.770172	-2.07147	0.641174	-0.81442	0.535095	1.6257	1.6257	-0.99451
1943	8	-1.09106	0.334076	-0.71475	-2.81342	-2.08472	-9.99E-02	-9.99E-02	-1.12933
1943	9	-2.00397	0.620239	2.62866	-1.0289	0.533875	-1.75232	-1.75232	-3.03085
1943	10	1.37E+00	-1.21677	-1.36661	-0.46112	-1.86E-02	-2.89355	-2.89355	0.435974
1943	11	0.720581	-0.45065	-1.841	2.49658	0.396118	0.536469	0.536469	-4.94492
1943	12	3.93716	-1.23129	-3.12296	4.05469	3.24976	1.10992	1.10992	-1.96909
1944	1	-1.04376	1.44012	-4.53906	3.27515	-0.16525	0.600677	0.600677	-3.17914
1944	2	0.600677	-6.45078	2.41669	3.11368	5.1347	-1.28629	-1.28629	-5.90665
1944	3	-9.61E-01	-0.50562	4.26416	3.60925	3.62E-02	-4.46E-02	-4.46E-02	-1.18488
1944	4	-1.57709	0.360413	0.51181	4.20233	-0.41074	-2.85385	-2.85385	1.76532
1944	5	-0.957886	1.9118	-2.91315	-0.83917	-1.59207	-0.82529	-0.82529	-1.61551
1944	6	-2.40051	0.709106	-1.21906	-3.19073	0.25531	0.757446	0.757446	1.04523
1944	7	0.287354	1.18292	-1.32303	-2.91711	-0.81961	-1.18E-02	-1.18E-02	-1.37891
1944	8	0.967926	-2.81	-1.62314	-0.32681	-0.24823	-0.73062	-0.73062	0.993958
1944	9	-0.152985	-2.29895	-0.84616	-1.4592	-1.3934	-3.40524	-3.40524	-2.76013
1944	10	-1.41852	-1.78986	-0.76331	-1.36722	-3.61224	-3.66525	-3.66525	0.162964
1944	11	-3.93494	-2.65457	0.68689	1.24149	-0.44977	-1.82202	-1.82202	0.862793
1944	12	-1.06104	-1.45309	-6.36E-02	-1.36722	-0.39136	-1.39108	-1.39108	-2.01968
1945	1	-5.69928	1.11942	-3.20026	-2.12305	-1.68628	3.90759	3.90759	-1.51392
1945	2	-1.16043	2.83734	4.89017	-6.8483	1.85519	1.68192	1.68192	0.101349
1945	3	-3.76724	2.74838	3.40616	1.76385	-2.8367	2.87994	2.87994	-0.14948
1945	4	-1.3436	-0.2157	-0.38879	1.66034	-0.89453	0.974945	0.974945	-5.46069
1945	5	-0.195587	-1.2771	-1.63583	-0.47858	-0.81738	-1.91141	-1.91141	-3.64691
1945	6	-2.09503	1.65601	-1.57687	0.507843	2.29681	-1.34167	-1.34167	-1.42136
1945	7	-2.30206	0.301514	-0.57092	1.07617	1.14209	-2.45361	-2.45361	-2.23633
1945	8	-0.591064	1.56088	-0.13336	-4.91E-03	1.44586	-1.31503	-1.31503	-1.69296
1945	9	0.500336	3.17545	1.31265	2.0394	4.38449	-0.57153	-0.57153	-4.20673
1945	10	-0.619293	-1.68564	-0.7627	-0.44931	-1.11813	-0.65704	-0.65704	-3.51251
1945	11	-3.29312	-0.11404	2.75659	-0.82752	2.80304	-3.22772	-3.22772	-3.9209
1945	12	-0.769318	-1.90588	-0.29904	-2.87433	-0.71475	-6.44638	-6.44638	-1.57928
1946	1	-0.547058	-0.7854	1.73425	4.41434	-0.50586	1.19238	1.19238	-3.90192
1946	2	-7.25E-02	-2.47375	3.02307	-0.7113	1.6582	-3.1185	-3.1185	-2.71765
1946	3	-1.39764	-0.5318	2.02466	2.85483	-3.21429	-1.65295	-1.65295	0.261414
1946	4	-0.674805	-2.05548	-0.90299	2.12335	-0.75723	-2.02405	-2.02405	-0.51767
1946	5	-1.3017	-1.06888	-2.09955	-1.12378	4.00543	-0.86411	-0.86411	0.663879
1946	6	-2.23203	0.871704	3.76282	-2.90634	-0.35251	-1.33157	-1.33157	7.62E-02
1946	7	-1.03656	-0.35977	0.842163	-4.97E-02	-1.4765	-1.80411	-1.80411	0.425385
1946	8	1.55692	-1.32962	1.66446	-4.09332	0.190491	-0.14984	-0.14984	1.66476
1946	9	-2.36996	-2.85135	0.741638	-2.1868	0.494171	-2.50632	-2.50632	-1.29514
1946	10	-2.56729	-4.68594	-1.67401	-2.03293	0.681854	-4.78564	-4.78564	-2.25891
1946	11	0.908661	-0.70645	-0.2186	0.784882	-0.18576	-2.10294	-2.10294	-2.39221
1946	12	1.39438	-4.17349	-1.58514	-4.26282	-1.23395	-4.41629	-4.41629	-2.21268
1947	1	-5.70346	-4.75909	-3.40076	-1.86435	3.32394	-1.53391	-1.53391	0.778259
1947	2	0.140076	2.08633	1.54517	2.28238	-2.80899	-3.4068	-3.4068	-3.89374
1947	3	-1.09555	0.674896	5.25125	0.852844	1.9017	1.42804	1.42804	-8.35608
1947	4	0.420013	-2.86188	-1.56128	-0.73636	1.45627	0.376343	0.376343	-2.49969

1947	5	-2.19019	0.549103	1.03406	-2.31647	2.23123	-2.8364	-2.8364	-2.7529
1947	6	-1.17072	-0.27628	0.793732	-3.41275	0.558716	-2.41107	-2.41107	-1.56207
1947	7	1.24335	-0.16687	-0.74454	1.57169	1.36099	-3.18481	-3.18481	-0.29892
1947	8	-1.95016	-0.45371	1.73105	1.67429	0.388489	-1.06152	-1.06152	-1.60724
1947	9	0.225708	-5.83905	3.19073	-0.86209	2.02017	-2.76642	-2.76642	-2.52194
1947	10	0.377808	-1.60315	2.56189	0.56308	-1.21033	-9.46E-03	-9.46E-03	-3.20493
1947	11	1.37726	-0.76807	3.89011	-2.34332	-1.25375	1.80338	1.80338	-0.91931
1947	12	3.26898	-1.9389	-3.86975	3.49997	3.03375	-2.448	-2.448	-4.78418
1948	1	-2.16916	1.74442	2.15405	-2.27457	3.78433	-5.418	-5.418	-6.46863
1948	2	-2.30692	3.07443	1.49588	3.65891	1.3447	-7.9249	-7.9249	3.90634
1948	3	0.863861	-2.01462	-2.74323	-5.18E-02	1.99792	-1.51245	-1.51245	-2.44489
1948	4	0.943207	1.20221	-0.61609	-1.01105	-1.40533	-2.19937	-2.19937	-0.57797
1948	5	2.02792	1.1781	-1.83682	-2.19467	0.902527	-2.04639	-2.04639	-2.21832
1948	6	0.343964	-3.03E-02	-2.43417	-1.40164	-0.14969	-2.28397	-2.28397	-0.98798
1948	7	-0.815369	-1.52808	-2.05414	-1.62714	2.18518	-2.77161	-2.77161	-2.33051
1948	8	0.757019	-1.4931	-2.00754	-2.08871	-0.87042	-3.47693	-3.47693	-0.92676
1948	9	-3.95529	-2.66327	-0.84665	-1.68051	-2.64322	-1.72781	-1.72781	-0.32214
1948	10	0.194885	-2.44525	-0.5079	-0.50351	0.259766	-4.57675	-4.57675	-2.75842
1948	11	-3.13E-01	-1.05615	-2.23648	-2.87262	-7.04E-02	-1.62354	-1.62354	0.713196
1948	12	0.800964	-1.9039	2.18625	-3.31033	-2.83066	-8.24E-02	-8.24E-02	-0.22467
1949	1	-0.29776	-0.7196	-0.72687	-0.26065	-1.14438	1.78659	1.78659	0.56308
1949	2	-2.41891	-0.97388	2.82248	2.70688	1.9436	-4.60358	-4.60358	-2.39774
1949	3	-2.12915	1.5647	0.518677	-0.32455	-0.96079	-0.51877	-0.51877	-3.271
1949	4	-1.06058	1.70932	0.514404	0.562439	-0.38654	1.05804	1.05804	-1.75287
1949	5	0.128723	0.361908	-0.46603	0.940247	0.115509	0.520111	0.520111	-1.1463
1949	6	-1.95053	-0.53748	2.30322	1.12766	-2.84549	-2.56436	-2.56436	-0.49637
1949	7	3.01276	-3.5618	-2.02E-02	-3.12363	-0.513	-3.40482	-3.40482	-1.11563
1949	8	2.88593	-4.31583	0.110352	0.764893	-0.84134	-4.54852	-4.54852	0.217346
1949	9	-1.05777	-1.23004	-3.47214	1.7261	1.77609	-2.99731	-2.99731	-1.71924
1949	10	0.690491	1.99426	0.431396	-1.02692	3.05545	-1.84607	-1.84607	-1.48343
1949	11	2.03726	-1.45306	1.67749	1.7623	-4.50348	1.63437	1.63437	-0.33911
1949	12	-2.56372	-2.95059	1.06143	-7.93604	2.94327	-2.26389	-2.26389	1.50851
1950	1	1.54764	-0.62949	-3.16E-02	-0.34946	1.03403	5.03159	5.03159	-2.40884
1950	2	-1.49512	1.39172	2.76358	-2.7757	2.84891	3.16122	3.16122	-1.40216
1950	3	-4.14566	1.5296	6.95E-02	2.56845	-0.18909	0.424042	0.424042	0.892914
1950	4	4.3558	-4.1391	-0.6687	-2.40536	-0.45535	0.980225	0.980225	-2.33627
1950	5	-0.529602	-2.78058	-0.66434	-0.91858	-1.20837	0.702301	0.702301	0.727875
1950	6	-1.33551	-4.6423	-1.87677	-1.00934	-1.87009	-0.13596	-0.13596	-2.56866
1950	7	2.22635	-2.55368	-1.44733	1.50317	0.112091	-0.39011	-0.39011	-1.49661
1950	8	-0.841187	-1.57822	-0.99005	-1.98801	-1.49182	-4.58554	-4.58554	-2.57364
1950	9	-1.85336	-4.15884	-2.45065	-0.82501	0.109985	-2.68762	-2.68762	0.647858
1950	10	-0.866913	-0.69855	-3.24869	-2.802	3.66455	3.13995	3.13995	-1.41953
1950	11	-1.71384	2.53275	-1.45129	-2.42731	-1.08148	2.03467	2.03467	-0.35831
1950	12	-1.60614	-2.50989	-4.50555	-1.03632	-3.45856	-0.8248	-0.8248	2.86923
1951	1	2.12714	-1.8038	-0.47656	4.18076	-2.34335	-6.34E-02	-6.34E-02	-1.27084
1951	2	-1.58002	0.421539	-2.63113	-5.43E-02	0.397186	-3.60358	-3.60358	-0.89676
1951	3	-0.835052	-3.07141	0.700867	-1.83325	-1.8779	-2.76425	-2.76425	-3.01959

1951	4	-1.32269	0.960205	2.31171	0.690552	1.16147	0.925354	0.925354	-0.72549
1951	5	-0.340179	-1.97787	1.00867	1.26242	-0.61307	0.970001	0.970001	-1.56802
1951	6	-1.98422	0.295898	1.18353	-1.45413	0.409393	-0.80356	-0.80356	-1.64948
1951	7	-1.86945	-0.9021	2.11646	0.662872	1.3299	-1.03061	-1.03061	-2.71561
1951	8	-2.13406	-4.34583	2.58154	0.747375	-1.42303	-0.87634	-0.87634	-0.71664
1951	9	-2.10898	1.64993	0.618561	-0.4903	-0.49143	-2.28543	-2.28543	-1.56033
1951	10	-1.3804	-3.71497	1.979	1.32147	1.83725	-1.78955	-1.78955	-2.14093
1951	11	0.871185	2.62E-02	7.49E-02	-2.55771	0.409821	-5.07965	-5.07965	-9.74E-02
1951	12	-3.85822	-3.14099	0.613861	1.50839	-2.83273	-1.57938	-1.57938	-3.06238
1952	1	2.36765	1.72702	-2.45566	3.89923	-1.07397	-3.16882	-3.16882	-3.91483
1952	2	3.01736	3.42084	0.768188	-2.8992	1.70721	-2.5806	-2.5806	-0.25946
1952	3	-0.272949	0.1716	1.62225	0.105652	-1.61227	-2.55734	-2.55734	-1.16669
1952	4	0.243103	-2.24988	-0.3013	1.98724	1.09735	-2.34436	-2.34436	-3.17978
1952	5	1.57E-02	1.43622	-2.99185	0.64212	-1.66699	0.718506	0.718506	-2.42511
1952	6	-2.61182	-2.80038	-1.29675	-0.76505	-3.1694	-0.73306	-0.73306	-2.51657
1952	7	-0.932648	-1.52698	-2.92392	-0.88791	-0.88193	-0.6814	-0.6814	-2.50861
1952	8	-2.01489	-1.8978	-3.02505	-1.0079	-1.74933	-1.24554	-1.24554	-1.17584
1952	9	-3.04779	-0.47687	-3.76337	-3.4577	-1.93292	-0.48703	-0.48703	-2.54193
1952	10	-3.95959	-2.73196	-4.50269	7.64E-02	0.368866	2.31165	2.31165	-2.88382
1952	11	1.10587	1.00534	-2.66449	-2.81921	0.330231	-1.88565	-1.88565	-1.21799
1952	12	-2.58981	0.437317	-0.92804	0.150269	-2.96094	-0.56158	-0.56158	1.94833
1953	1	-3.24615	-0.56751	-3.75235	1.84006	-0.81177	3.3927	3.3927	1.62808
1953	2	2.39319	-9.53E-02	-5.05722	1.87589	-0.2486	-3.17899	-3.17899	4.12195
1953	3	-0.912537	2.99048	0.30896	2.18542	-0.97827	-3.66696	-3.66696	1.19861
1953	4	-1.18448	-0.52667	-2.06818	-1.29965	-3.92615	-1.91727	-1.91727	-0.71268
1953	5	-3.13708	1.12881	-0.24774	1.99374	-0.62537	-2.08411	-2.08411	0.724701
1953	6	-2.98242	3.259	-1.97086	-4.01456	-1.04309	-0.86298	-0.86298	-0.58008
1953	7	-0.858063	0.409424	-2.09924	7.93E-02	-2.10172	-1.82391	-1.82391	1.01639
1953	8	6.93E-03	-1.7207	-1.13504	2.06717	-1.96191	-0.30142	-0.30142	-1.41415
1953	9	0.207611	0.888855	-2.55664	2.77719	-1.8869	-3.32263	-3.32263	0.866547
1953	10	-2.59E+00	-0.43335	-1.81448	6.90E-02	6.18E-02	-1.46036	-1.46036	-1.58472
1953	11	-0.285126	2.71274	-2.9913	-1.78302	1.27844	0.404968	0.404968	-3.3114
1953	12	-1.36563	1.24222	-0.51685	0.35199	-0.36905	-1.50409	-1.50409	-0.11417
1954	1	-5.10318	-3.43329	-1.56427	1.20755	-1.75787	4.58069	4.58069	5.04218
1954	2	-1.24463	2.90894	2.52737	0.967804	-5.96481	0.788116	0.788116	-5.28656
1954	3	-1.06445	-3.99362	-1.59152	3.80475	-1.67059	-0.28946	-0.28946	1.37341
1954	4	0.1604	1.15591	1.58142	0.583344	-1.49695	7.48E-02	7.48E-02	0.59671
1954	5	-1.1683	-0.10129	-1.57895	1.05322	0.633118	0.26709	0.26709	-0.3266
1954	6	-1.36053	-2.03098	-2.05457	-3.75876	-0.40039	-0.28278	-0.28278	0.885437
1954	7	1.08014	-1.66339	1.12228	-1.69144	1.41638	-1.8812	-1.8812	-0.33423
1954	8	-0.197388	-0.96252	-0.79114	2.1279	0.129272	-0.50964	-0.50964	-1.29004
1954	9	0.91452	-3.90567	-1.61295	-0.33261	-1.66702	-2.47052	-2.47052	-0.73175
1954	10	-1.40289	-1.68326	2.35071	-9.83E-02	1.24295	-3.19846	-3.19846	-1.15631
1954	11	-2.49274	-1.05576	1.12341	-1.9729	-1.52368	-0.65595	-0.65595	-2.21021
1954	12	-0.181519	0.28952	-1.29996	3.47519	-1.66473	-0.50787	-0.50787	-0.61939
1955	1	1.52783	-0.43311	2.20483	5.13293	3.37234	-6.37021	-6.37021	-2.16592
1955	2	-3.12573	0.542328	2.15637	-1.94421	2.44781	0.790222	0.790222	-0.74075

1955	3	-1.56305	-0.319	-1.15182	-0.53305	-0.698	-5.47025	-5.47025	0.62912
1955	4	7.06E-01	3.09531	0.564117	-2.32306	-7.79E-02	1.23315	1.23315	0.863007
1955	5	1.42831	-3.92297	-1.26724	-1.38046	0.651123	-1.74991	-1.74991	2.39108
1955	6	-1.81271	-2.7756	2.13184	-0.93124	2.67941	-0.54715	-0.54715	-8.71E-02
1955	7	-1.22125	-1.66708	2.11688	-1.45041	2.793	-0.93942	-0.93942	-1.43933
1955	8	0.762512	2.0325	-0.59695	-1.48721	0.783569	-2.30045	-2.30045	-1.62463
1955	9	1.03613	1.20145	-0.44925	-1.06989	2.53549	0.967285	0.967285	-1.74014
1955	10	1.1601	-4.68E-02	1.2926	-1.29123	-1.14624	-1.93054	-1.93054	-1.69434
1955	11	-4.08243	-1.83615	0.706604	-1.85233	0.471039	-0.22583	-0.22583	-1.80872
1955	12	-3.69144	-1.14038	-1.04364	-0.69443	2.41284	-1.90039	-1.90039	-1.68628
1956	1	0.631531	-2.18048	-1.18295	-2.60574	0.378326	1.0116	1.0116	-0.75882
1956	2	3.33469	-2.54605	-1.35773	-4.3764	-3.88129	-0.3349	-0.3349	3.81314
1956	3	4.50354	-0.23831	0.964172	0.710632	-2.15948	-2.61957	-2.61957	-6.39828
1956	4	2.32242	3.22E-02	1.9187	2.00903	-1.04095	-2.12585	-2.12585	-2.60217
1956	5	-0.101685	0.388519	0.679749	1.46735	1.37073	-1.22839	-1.22839	-0.29102
1956	6	1.51477	2.00241	-0.99616	0.753967	0.181488	-0.14948	-0.14948	-0.67987
1956	7	2.35843	0.927521	-0.69162	-0.67032	-1.68082	-1.31772	-1.31772	-0.80521
1956	8	0.854126	-1.8465	-9.22E-02	-0.67831	-0.91852	-0.54813	-0.54813	-3.15005
1956	9	0.434723	-1.80844	0.137634	-2.60791	0.424988	0.697784	0.697784	-3.60056
1956	10	1.10858	1.52155	-2.17621	0.605896	-0.69635	-2.12296	-2.12296	-2.02023
1956	11	-3.03802	0.846252	-0.1586	0.2854	-0.62997	-3.94684	-3.94684	-0.81879
1956	12	0.467987	1.87222	-3.70895	3.13647	1.68484	1.01343	1.01343	0.438721
1957	1	-2.11606	-2.35678	-1.17795	-3.48145	2.30765	1.57489	1.57489	-3.74203
1957	2	-1.10123	1.84174	-2.38531	1.61908	3.6723	0.228516	0.228516	-4.47534
1957	3	-5.21E-01	0.917877	1.68695	-1.97287	-6.15E-02	-2.80707	-2.80707	0.267212
1957	4	-0.448486	-0.9368	0.914825	0.878326	-0.40884	-0.63046	-0.63046	-6.23148
1957	5	-1.76489	1.6983	-2.83664	-3.00897	-0.24298	-2.8313	-2.8313	-3.43381
1957	6	-6.75E-01	-1.03748	1.11874	-1.31946	5.57E-02	2.25824	2.25824	-1.34277
1957	7	1.39563	-2.0654	0.791077	-1.06104	0.834076	-1.1189	-1.1189	-3.3782
1957	8	-1.04889	-4.35532	-0.13394	-1.98132	-2.22382	-3.38004	-3.38004	-0.62576
1957	9	0.220734	-0.46216	-0.88086	-0.69531	2.44418	-3.37793	-3.37793	-1.95966
1957	10	0.234894	-1.53516	1.02731	-0.79562	0.366577	-3.24835	-3.24835	-1.35983
1957	11	-0.339935	-2.41205	1.2439	4.16E-02	2.31174	0.444458	0.444458	-1.1954
1957	12	-0.341919	-0.6485	1.09555	1.32968	0.461945	0.434204	0.434204	-3.98596
1958	1	-0.834656	0.666809	4.69604	0.107941	-1.24048	1.64838	1.64838	0.665283
1958	2	-2.38254	1.09143	6.16467	-0.93311	2.08649	3.98132	3.98132	0.474457
1958	3	-2.56E+00	-7.98E-02	2.91986	-2.72577	9.70E-02	-2.22507	-2.22507	-3.19379
1958	4	-1.78E+00	-0.52557	0.292023	1.65213	7.14E-02	-2.68747	-2.68747	1.5491
1958	5	-1.0589	0.66452	0.469269	0.307739	1.68613	0.198792	0.198792	1.6875
1958	6	-1.48782	-0.76999	1.39655	-1.55994	-0.29269	-1.35956	-1.35956	0.244019
1958	7	-0.155945	2.05423	1.97278	8.73E-02	1.1207	-1.7739	-1.7739	1.23239
1958	8	-1.45099	-0.9115	-0.17246	-1.9765	1.13849	-2.80634	-2.80634	-0.43893
1958	9	-1.96667	-4.09497	-0.76157	0.879089	-1.93613	-1.57764	-1.57764	-1.44235
1958	10	-1.48251	-4.31464	-1.63739	1.47668	-0.92242	-0.79935	-0.79935	-0.57813
1958	11	-0.701416	2.43475	2.50562	-1.04361	-4.03198	-2.01093	-2.01093	-1.62439
1958	12	1.04877	0.919922	1.19345	-0.41971	0.65155	-2.58908	-2.58908	0.412811
1959	1	-0.83078	-2.10089	-1.68585	6.45135	-4.44507	-0.23962	-0.23962	0.529785

1959	2	-1.72803	-0.11826	-0.66553	-2.65561	-0.73401	-9.98828	-9.98828	0.987366
1959	3	1.51004	-0.75882	-1.29373	-0.12436	-2.54648	-1.39447	-1.39447	-1.70288
1959	4	-0.740295	0.242004	-5.6051	1.93985	-1.27716	-0.65146	-0.65146	-3.68289
1959	5	-2.20038	3.22992	-2.50354	-1.14847	-1.46317	-2.57401	-2.57401	0.172577
1959	6	0.994385	-2.138	-1.59418	-0.33295	0.170898	-1.23166	-1.23166	-3.09787
1959	7	-2.96057	-3.38217	-3.12842	-3.13342	-0.49973	-2.991	-2.991	-1.04361
1959	8	-3.52118	-1.62961	-2.32434	-3.73621	-0.50772	-2.51483	-2.51483	-1.62454
1959	9	-1.40607	-7.48904	-1.76764	-1.4202	1.45758	-1.44412	-1.44412	-1.54703
1959	10	-1.80811	-4.48315	9.26E-02	-9.83E-02	-0.33682	0.769653	0.769653	7.48E-03
1959	11	-7.62E-02	-2.73087	1.6507	2.34628	1.18234	-2.31073	-2.31073	-6.05E-02
1959	12	1.80716	-3.09778	-0.45325	0.155487	-2.68243	-2.85568	-2.85568	-2.88327
1960	1	-5.74576	-1.14319	0.170837	1.38574	-10.5847	2.64209	2.64209	1.91528
1960	2	-4.03E+00	0.201233	-2.55411	1.90399	-3.49E-02	1.51453	1.51453	4.45404
1960	3	-0.846161	-2.85342	-0.17773	0.41394	-0.12848	2.46445	2.46445	-3.82797
1960	4	5.06442	-2.70297	-2.20938	-2.37997	-0.13324	1.30014	1.30014	-2.04208
1960	5	-1.22598	-3.4299	-0.88794	-1.32367	1.11774	1.759	1.759	0.159576
1960	6	-7.68E-02	0.930298	5.04E-03	-0.67276	1.1947	-2.36127	-2.36127	-3.50537
1960	7	4.47E-02	-3.31659	-0.65552	0.106781	-0.18793	0.362396	0.362396	-3.27063
1960	8	-0.906891	-1.14893	1.97525	-3.52463	0.989166	-0.41922	-0.41922	-1.68976
1960	9	-3.67197	-1.23636	3.14575	0.159302	1.35797	0.274384	0.274384	-2.36035
1960	10	-3.38409	1.71246	-0.14819	2.24408	-2.39743	-4.51456	-4.51456	-1.32883
1960	11	-0.899414	3.56586	0.347412	-3.8692	1.59192	1.79108	1.79108	-1.84351
1960	12	1.98969	1.43762	-0.80167	-1.70691	3.07574	1.9808	1.9808	-2.19537
1961	1	5.47504	-8.76199	-3.89697	-10.0005	-1.31686	-5.05E-02	-5.05E-02	0.429657
1961	2	2.52258	0.395325	-2.10223	1.7493	2.96069	0.938904	0.938904	2.57794
1961	3	-1.21036	2.92938	3.62866	1.98563	-3.0618	-2.01575	-2.01575	-5.37549
1961	4	-0.630005	0.384705	-5.14999	1.48944	-1.30606	0.707336	0.707336	-0.91327
1961	5	-0.931885	-2.07449	-1.14914	1.31424	0.849609	-1.74728	-1.74728	-0.8302
1961	6	0.259064	-0.664	-0.12308	-1.98303	1.4393	-2.94415	-2.94415	-1.97287
1961	7	1.94595	-3.41608	-0.69583	1.86728	-0.125	-2.06152	-2.06152	-2.98062
1961	8	-1.99539	-1.41632	-2.59775	-3.20901	-2.21411	-2.52634	-2.52634	-1.47595
1961	9	-1.31796	0.201843	1.86734	0.611816	1.29077	-3.89581	-3.89581	-1.55203
1961	10	-1.83182	-4.08844	-2.0553	6.43E-02	1.17065	-3.86487	-3.86487	-3.40182
1961	11	0.715576	-1.91296	-1.59158	-3.0621	-2.07986	0.100769	0.100769	9.37E-02
1961	12	0.316772	0.232025	-3.53986	-5.78561	-0.34924	-0.66919	-0.66919	2.73572
1962	1	4.64893	3.24811	-4.08957	0.695435	-0.44186	0.262878	0.262878	-2.98502
1962	2	1.27377	-3.02686	1.79977	-4.7052	-0.37561	-5.13937	-5.13937	1.01245
1962	3	-8.86E-02	0.533997	1.89505	-1.77695	1.1333	-7.25146	-7.25146	-1.02588
1962	4	-0.429291	-1.98187	0.195099	0.717834	-0.47934	0.517639	0.517639	0.209717
1962	5	-1.55228	-0.57718	-2.65634	2.35782	1.31073	-2.01239	-2.01239	0.798492
1962	6	-1.20233	-3.75098	-1.24377	-5.26996	-0.26819	-1.21097	-1.21097	0.421326
1962	7	2.09415	0.715729	-2.28864	1.13818	0.435394	-2.99442	-2.99442	5.14E-02
1962	8	-0.556488	1.48019	-4.88947	0.235596	-0.55423	-0.52554	-0.52554	-1.26044
1962	9	-0.900787	-3.79034	-2.49686	-3.34579	1.0943	-1.16891	-1.16891	2.14627
1962	10	-1.46152	-0.63806	-1.24789	-3.51282	1.29108	-1.78674	-1.78674	2.93466
1962	11	1.31567	-1.22726	-4.1427	-0.99472	-0.97916	3.14117	3.14117	1.14539
1962	12	-1.72803	-2.66809	-1.07364	-0.62012	-3.95035	-3.59119	-3.59119	-1.57117

1963	1	-1.08118	-1.6366	-0.47726	-1.16776	-6.76996	0.692078	0.692078	-1.19E-02
1963	2	-3.32043	1.49454	-2.50012	1.10718	-1.46881	-2.31567	-2.31567	2.95935
1963	3	-1.15314	-1.28192	2.55408	1.81354	-0.12088	0.636139	0.636139	5.233
1963	4	-2.94E-02	-2.91388	1.06802	1.69205	-5.22E-02	-1.21796	-1.21796	-0.9444
1963	5	-3.83179	-2.60599	-4.18E-02	1.71283	1.21823	-2.4502	-2.4502	-3.0441
1963	6	0.247986	-4.32788	0.936127	3.32355	0.393097	1.14685	1.14685	-1.96967
1963	7	-1.79E+00	-1.45148	-0.27124	-1.60764	9.58E-02	-2.1803	-2.1803	-1.60373
1963	8	-2.26938	0.351288	-1.16586	-2.3045	-0.58933	-0.51193	-0.51193	-1.58664
1963	9	-0.809265	-2.49576	-0.57016	0.921692	-0.55261	-3.53552	-3.53552	-5.29984
1963	10	2.06549	-1.56674	1.319	0.612976	1.99875	-1.93826	-1.93826	-0.56064
1963	11	-0.506622	-0.10675	-2.68311	-0.9021	-2.01315	-0.64294	-0.64294	-5.63101
1963	12	9.73E-02	-1.60608	0.794952	-4.03061	-0.51566	-0.4527	-0.4527	0.190125
1964	1	-0.173065	-0.79788	2.85175	2.03986	1.88135	2.76398	2.76398	-10.9465
1964	2	9.18E-01	0.474121	0.506195	7.27E-02	-1.28E-02	2.95322	2.95322	-6.85513
1964	3	0.837463	-2.84012	0.217377	1.88263	0.209717	-1.58347	-1.58347	-4.19308
1964	4	-0.933502	0.897919	-4.64798	0.131653	-0.87564	-3.44116	-3.44116	-2.4563
1964	5	-5.11349	-2.92838	2.05057	0.797546	-0.89838	-2.74838	-2.74838	-2.00241
1964	6	1.19687	0.843597	-1.14578	-4.35754	-1.6781	-1.66647	-1.66647	-3.15778
1964	7	-2.60565	-2.22809	-1.50244	-1.90143	-2.8056	-2.09561	-2.09561	-3.84683
1964	8	-2.53549	0.8992	-2.63297	-1.31351	-3.52151	-1.53912	-1.53912	-3.93704
1964	9	-0.691467	-0.69745	-2.21185	-1.50989	-1.19781	-4.24683	-4.24683	-1.76224
1964	10	-1.04501	-1.97574	0.499603	-2.73282	-0.83875	-5.17786	-5.17786	-2.90494
1964	11	-2.19482	-2.71536	0.190491	-2.0874	-0.34488	-3.75613	-3.75613	-5.0621
1964	12	0.182861	1.3624	-0.16675	-3.55771	-0.93744	-5.91687	-5.91687	4.25003
1965	1	-3.74905	-2.7164	3.62253	-1.44037	1.61945	-3.71802	-3.71802	1.19516
1965	2	1.10458	-2.77997	-2.09561	1.04419	1.52371	-1.11798	-1.11798	-5.14386
1965	3	-1.09885	0.472473	-3.04443	1.18335	2.00043	-1.69806	-1.69806	-7.25989
1965	4	-0.365082	-0.11948	-1.70239	-1.57117	0.714142	0.160553	0.160553	-0.53589
1965	5	-1.87268	-0.76437	1.20737	4.06082	0.588715	1.388	1.388	-1.7847
1965	6	-3.02634	-2.72778	-2.95728	-1.18353	-0.71689	-1.92136	-1.92136	-0.73026
1965	7	-4.27835	-3.02289	-3.08502	-2.32901	-1.24991	-2.677	-2.677	-0.72012
1965	8	-5.85E-02	-1.6282	1.27966	0.668671	-1.08432	-0.21002	-0.21002	-4.40936
1965	9	-0.614868	-2.37125	-3.60736	3.3573	-0.13501	-2.83914	-2.83914	-3.98584
1965	10	-2.3403	-5.93866	0.725006	8.41E-02	-0.50565	-2.21436	-2.21436	-0.83633
1965	11	-2.11664	1.35895	1.47571	-4.29782	-1.09216	-1.73254	-1.73254	-1.46439
1965	12	-2.63281	-1.18979	-0.15955	2.29248	-3.60535	-3.8985	-3.8985	0.583038
1966	1	-3.36276	-0.59708	-1.29556	-0.77567	0.615631	1.58838	1.58838	-7.48593
1966	2	-1.04453	-3.19876	3.35367	-3.08612	0.220306	-1.90939	-1.90939	-5.15616
1966	3	-2.63965	0.431976	-2.18002	3.25494	-1.17389	-4.44476	-4.44476	-5.0986
1966	4	-8.52E-02	0.660004	-3.4176	2.45575	-0.93424	-5.07645	-5.07645	-6.07617
1966	5	-1.9202	1.1911	1.08057	-0.41538	-0.82089	-0.88098	-0.88098	-2.05112
1966	6	-1.65152	-3.58548	-0.73587	-4.25815	-1.47119	-4.51E-02	-4.51E-02	-1.84396
1966	7	-2.18896	-2.35818	-1.19394	-0.76022	0.221588	-1.58112	-1.58112	-2.99741
1966	8	-4.64587	-1.0589	-0.25366	-1.42712	0.107269	-0.73752	-0.73752	-2.61163
1966	9	7.49E-02	-0.59757	-0.53107	-9.70E-02	-1.07193	-2.19644	-2.19644	-2.52313
1966	10	-2.1315	-3.09604	0.454803	0.243073	-2.30972	-3.96066	-3.96066	-2.70181
1966	11	-0.64032	3.86554	2.0694	1.58109	0.752747	-3.56384	-3.56384	-1.9632

1966	12	-3.78604	0.169525	-0.14127	1.60999	-1.23053	2.53192	2.53192	-2.02417
1967	1	0.761719	-0.2973	-1.49005	-1.11157	2.03223	2.78949	2.78949	-2.40771
1967	2	-1.72443	-0.57108	-0.24912	-4.99072	1.92831	2.58353	2.58353	-3.53455
1967	3	-3.21506	1.29898	-4.64493	0.300842	-1.97849	1.41794	1.41794	0.425507
1967	4	1.02072	-0.38507	-1.06839	-4.50006	-0.42014	-1.48407	-1.48407	1.47E-02
1967	5	-5.33E-02	-3.85468	0.994873	1.87253	0.560913	-0.31311	-0.31311	-0.75153
1967	6	-1.32773	-1.1774	-1.46768	0.635864	-0.52841	-2.30338	-2.30338	-2.64359
1967	7	-3.04526	-2.4375	-0.23703	1.18097	-0.64871	-3.44312	-3.44312	-1.96152
1967	8	-1.46E+00	0.297485	0.828247	0.101471	3.86E-02	-1.90384	-1.90384	-1.91504
1967	9	-3.19E-02	-3.08215	1.54025	0.241791	-1.00311	-2.64252	-2.64252	-1.84573
1967	10	-1.24692	1.32794	3.0173	-0.85553	-1.26465	1.73544	1.73544	-3.86972
1967	11	-1.57101	-0.15176	-0.87158	-4.53711	-0.35037	1.16467	1.16467	8.04E-02
1967	12	1.44168	-2.6438	2.91855	-0.90283	2.59076	-4.14267	-4.14267	0.657227
1968	1	-1.73965	-3.79868	-0.13217	4.32706	5.68265	0.933502	0.933502	1.06378
1968	2	-4.04251	1.12015	-1.85373	1.4274	1.94769	3.52451	3.52451	3.48886
1968	3	-0.192139	-1.79501	1.02557	-0.30435	1.69171	2.04694	2.04694	2.74091
1968	4	0.591614	-2.00488	-3.49518	-0.93155	1.53506	1.89575	1.89575	0.354004
1968	5	7.27E-02	-3.73248	-1.48083	-1.17218	0.781433	0.152191	0.152191	0.711792
1968	6	-2.11081	-2.86227	-0.39197	-2.93146	1.43561	-0.86997	-0.86997	0.318542
1968	7	-1.09076	-1.5188	-0.50272	-0.73392	0.677673	-0.7294	-0.7294	-0.93442
1968	8	-3.04059	-0.2298	-1.99207	-1.5007	0.721863	-1.20084	-1.20084	0.503052
1968	9	-0.474091	-2.47455	-1.51505	2.36E-02	-1.97083	-1.05823	-1.05823	-3.78055
1968	10	-0.258118	-2.44196	-0.96271	-1.73853	1.29205	-2.34695	-2.34695	1.33456
1968	11	-0.755615	-1.74335	0.416595	-4.81961	-2.01797	0.510254	0.510254	-1.44379
1968	12	-0.514618	-1.3671	2.84283	-2.02924	-0.85184	-1.94238	-1.94238	-1.44366
1969	1	-3.04306	-3.31888	-1.23697	-3.38815	0.197021	0.269684	0.269684	-2.62842
1969	2	-0.503326	-4.18286	-2.82693	-2.13211	-1.70529	3.03122	3.03122	1.07596
1969	3	0.707062	-5.82E-02	-4.73105	-3.52505	2.69211	-4.89005	-4.89005	0.769501
1969	4	-0.54599	-0.17468	-1.7695	-1.51947	-1.24115	-2.91406	-2.91406	-3.62567
1969	5	-2.0386	-0.7825	-1.35913	-0.46457	0.750916	-2.18381	-2.18381	-1.1575
1969	6	-1.89832	-1.99039	-2.63116	-0.22766	-1.12048	-4.87927	-4.87927	1.51312
1969	7	1.61304	0.272522	-2.93524	0.278076	-0.41321	-2.65851	-2.65851	-1.33823
1969	8	-9.35E-02	-1.19562	-3.33005	0.67337	-0.45432	-1.75763	-1.75763	-1.04904
1969	9	-0.367889	-3.07837	-2.01855	0.771393	-2.43201	-3.57593	-3.57593	1.10095
1969	10	-0.449402	-2.80585	-0.56381	-4.39871	-3.22925	-3.96716	-3.96716	-2.36212
1969	11	-3.82101	0.662231	0.902496	-0.99561	-0.99905	-2.65472	-2.65472	-4.4165
1969	12	-3.17072	0.858521	1.00836	0.414764	0.115448	-3.15298	-3.15298	0.575317
1970	1	-1.63516	-0.84918	-3.54456	2.46573	-2.54166	-4.51132	-4.51132	-0.85892
1970	2	-1.95242	2.73602	-0.80771	-0.991	1.74109	-4.23328	-4.23328	-1.59634
1970	3	-3.61325	-0.5094	-2.46915	-0.83887	-2.33377	-1.83005	-1.83005	-0.8432
1970	4	-1.7886	3.94263	-3.6344	2.78143	-0.47363	-1.52197	-1.52197	0.469727
1970	5	-1.51331	-1.44479	-1.85403	0.956329	-1.71918	-4.62149	-4.62149	-3.14801
1970	6	2.60E-02	-3.88049	-1.65158	2.66934	-0.97641	-0.90265	-0.90265	0.486542
1970	7	-6.76E-02	-2.93738	-1.92242	-0.88901	1.81339	-3.66812	-3.66812	-1.55371
1970	8	-2.32446	-3.85062	-3.56305	0.157898	-0.95581	-1.30762	-1.30762	-1.40085
1970	9	-1.73557	-0.86136	-2.71396	1.01791	-1.53943	-3.62314	-3.62314	-4.22955
1970	10	-2.02002	-3.34836	0.263702	-2.76523	-1.69623	-2.51434	-2.51434	-3.30023

1970	11	-0.317017	-1.93817	1.68591	-0.6727	1.36694	-0.87674	-0.87674	1.14859
1970	12	1.48318	0.71402	0.228455	0.324463	1.18387	0.377625	0.377625	0.829132
1971	1	1.36993	1.17181	1.40573	1.50235	-2.35736	-3.87231	-3.87231	-0.18543
1971	2	-1.44482	2.53543	-3.99121	0.546906	-2.4411	-2.46667	-2.46667	-2.25485
1971	3	-1.20355	-0.19193	2.21106	-0.50095	1.72681	0.227631	0.227631	-0.29208
1971	4	1.0191	2.67081	-0.73938	-0.12555	-0.53644	-1.01736	-1.01736	-0.14587
1971	5	-1.94028	1.30301	-1.43652	1.34952	-0.76828	-0.6048	-0.6048	-0.63602
1971	6	-3.34293	-1.41949	-1.50586	1.49176	-1.0379	-1.26477	-1.26477	0.798645
1971	7	0.274628	-1.75818	-1.86133	1.01929	-2.4765	-0.99442	-0.99442	-3.98E-02
1971	8	-0.44809	0.46109	-2.53165	1.59668	0.252991	-2.19003	-2.19003	-0.16275
1971	9	-2.04846	-0.94006	-1.93207	2.73621	3.23547	-3.15924	-3.15924	-1.30685
1971	10	-3.29822	-3.83426	1.6994	-2.17752	-2.08194	0.292236	0.292236	-4.40872
1971	11	-1.12442	-0.81027	-0.15228	1.52957	1.23553	-1.47223	-1.47223	-2.1311
1971	12	0.934265	1.2688	-4.35794	3.76007	1.64975	-4.7605	-4.7605	-0.71298
1972	1	5.62E-01	0.255402	-4.61365	4.75073	-5.12E-02	-5.10703	-5.10703	-1.56793
1972	2	2.37668	-4.91687	-10.514	3.17E-02	-5.22501	-1.77197	-1.77197	-2.77414
1972	3	2.57996	1.6033	0.268951	-4.68237	-3.55917	-3.34827	-3.34827	1.06912
1972	4	-1.46109	0.567902	-1.83759	1.53375	-2.40173	-3.61206	-3.61206	-1.69647
1972	5	-1.70639	-1.504	-3.20093	0.221344	0.457733	-2.52881	-2.52881	0.429382
1972	6	-2.19312	-0.25458	-2.05728	0.419556	-0.87741	-1.16806	-1.16806	-3.78226
1972	7	-0.904755	-2.28909	-1.75244	-2.04031	0.806793	-1.6438	-1.6438	-3.42551
1972	8	-3.05869	-0.3916	-0.85956	-4.5798	-2.42511	-3.58722	-3.58722	-2.43295
1972	9	-3.50906	0.562836	7.90E-02	-1.7243	1.27179	-0.94162	-0.94162	-3.33414
1972	10	-0.5867	1.80145	-0.43521	-0.47302	-0.53082	-2.26926	-2.26926	-1.54422
1972	11	-1.58572	-1.16016	-0.66168	-3.77661	0.410248	0.61087	0.61087	-0.13419
1972	12	1.20947	-2.44278	0.21756	3.04697	2.89896	-2.78E-03	-2.78E-03	1.15134
1973	1	-0.503662	0.299408	0.705231	-1.29675	0.598938	0.832886	0.832886	-3.63263
1973	2	0.486267	-2.40677	0.109467	-2.5983	1.04739	-5.3985	-5.3985	-4.05975
1973	3	-1.39224	-3.75162	-0.81314	-2.37195	1.59262	-3.44867	-3.44867	0.300201
1973	4	-2.3009	1.10141	-1.25E-02	0.610352	-4.11676	-2.22876	-2.22876	1.92563
1973	5	-2.40799	0.137421	-0.42654	0.211517	0.773315	-1.97998	-1.97998	-1.478
1973	6	-1.54132	0.264404	-0.36057	-1.20056	-0.16519	-2.48245	-2.48245	-3.16248
1973	7	-0.319458	-2.8443	-1.08734	-1.60141	-0.41962	-2.69281	-2.69281	-2.55112
1973	8	0.172119	-3.09293	-0.64975	2.53568	1.59949	-2.00424	-2.00424	-2.25156
1973	9	-4.89359	-5.05536	-1.27106	-1.61691	1.73709	-2.24283	-2.24283	-3.23404
1973	10	1.77051	-3.37604	-2.1254	2.64459	-2.88882	-2.40945	-2.40945	-1.36472
1973	11	-3.06284	0.95343	-0.2496	2.72247	-0.76358	-0.46405	-0.46405	-1.58582
1973	12	0.296265	-4.1185	-2.62766	-1.66061	2.82205	0.687317	0.687317	-3.48886
1974	1	-1.03625	-2.22458	-1.02847	-4.49887	1.63403	-4.6626	-4.6626	-0.42932
1974	2	-2.36041	0.500244	4.28058	-6.42532	4.53409	-4.3244	-4.3244	-5.31735
1974	3	0.574738	0.302399	2.25928	-6.65375	0.589417	-1.70575	-1.70575	-5.45837
1974	4	-1.36069	-1.91858	1.55411	-2.46826	-3.22714	-3.16046	-3.16046	-3.33789
1974	5	-3.13028	-2.2894	0.740265	0.904419	-1.63177	-1.1889	-1.1889	-4.47E-02
1974	6	-2.50403	-1.4809	-2.35626	-2.98825	-1.0076	-0.33176	-0.33176	-0.43478
1974	7	-0.751343	-1.50958	-2.71353	0.143768	-3.41241	-4.63751	-4.63751	-1.73932
1974	8	-4.67E-01	-2.16232	-2.40646	-2.03641	4.48E-02	5.04E-02	5.04E-02	-2.09735
1974	9	-2.06506	-0.27805	-0.56964	-0.98859	0.254395	-0.10083	-0.10083	-2.00113

1974	10	-4.05E+00	1.50E-02	-0.82431	-2.51361	-4.76E-02	-0.66217	-0.66217	-2.26962
1974	11	1.63428	2.03635	-3.0015	3.53427	-1.50708	-1.91873	-1.91873	-4.03909
1974	12	1.62506	-9.16E-02	-1.28516	-4.19391	-3.68314	-0.39078	-0.39078	-0.37997
1975	1	-6.21387	1.4357	-0.78726	1.57E-02	-0.30158	-5.88611	-5.88611	-1.16693
1975	2	-4.66452	1.89014	-2.99341	-3.18292	1.87201	-2.54239	-2.54239	0.269867
1975	3	0.694763	-0.52921	1.09286	-2.21375	-1.83917	-1.53156	-1.53156	1.55212
1975	4	-1.54449	-1.21259	-2.1604	-0.25415	1.56244	-1.02985	-1.02985	-0.80679
1975	5	-1.10388	-0.431	-0.40494	-3.56708	0.388031	-4.87369	-4.87369	-1.38641
1975	6	-1.56082	-1.79688	-1.03986	-2.52313	-2.0853	-1.98947	-1.98947	-3.04047
1975	7	-1.11307	-0.30377	-1.49582	1.14847	-2.8497	-2.67511	-2.67511	-1.17911
1975	8	-1.03857	-0.73023	0.283234	-3.48621	-0.99814	-4.72412	-4.72412	-0.57153
1975	9	-3.28589	0.254639	1.17E-02	-1.8522	0.833496	-1.80823	-1.80823	-4.22736
1975	10	0.952881	-1.46194	-2.28171	1.57449	0.677368	-0.30957	-0.30957	-2.22873
1975	11	0.495667	-2.20407	-0.69251	0.529877	-0.28546	9.48E-02	9.48E-02	0.957001
1975	12	4.49786	-4.25098	0.674438	-0.96283	-5.32843	-0.71289	-0.71289	3.48373
1976	1	4.36295	-3.1553	-0.36945	-2.94424	1.71783	-4.94061	-4.94061	-1.81372
1976	2	2.74176	1.27695	-1.11163	-2.20172	-3.8703	-1.86337	-1.86337	5.01254
1976	3	1.94205	-0.52701	-5.19952	-1.19626	-1.57559	-1.39365	-1.39365	0.517517
1976	4	1.31491	1.53912	-1.6218	0.549744	-2.06683	0.517731	0.517731	-3.70837
1976	5	6.32E-02	8.08E-02	0.95755	-3.80786	0.266022	0.19989	0.19989	-2.89432
1976	6	5.50E-02	-0.93518	-1.08215	-1.31726	-0.49829	0.405548	0.405548	-1.16617
1976	7	-1.90976	1.76831	0.424866	-1.18863	-2.34821	0.156799	0.156799	-0.85422
1976	8	-4.08E+00	1.93738	-0.52786	-1.3999	-5.10E-02	-1.11053	-1.11053	-3.42224
1976	9	-1.11346	-3.75476	1.12714	-3.54379	-0.97501	-0.40494	-0.40494	-3.60403
1976	10	0.660583	-2.04736	0.6091	-2.60E-02	-3.70145	0.532257	0.532257	-1.46661
1976	11	1.56287	0.269257	-1.04361	-1.82123	1.72284	2.98895	2.98895	1.27701
1976	12	1.12686	1.3949	0.515045	-0.83841	0.584961	-0.82578	-0.82578	-1.71747
1977	1	0.922729	-2.1088	-1.06247	0.758942	1.61734	1.54578	1.54578	4.18826
1977	2	-0.225037	-4.47757	-2.29633	-3.09262	-5.9278	-3.57968	-3.57968	-1.14453
1977	3	-3.21985	0.703003	-8.86945	1.26453	-1.22818	0.564636	0.564636	0.690521
1977	4	-2.784	-2.30917	-5.065	1.47565	-3.08994	9.27E-02	9.27E-02	0.302521
1977	5	-2.49118	2.50882	-0.23505	-2.04578	2.71033	-3.08908	-3.08908	-2.06281
1977	6	-1.62732	-1.70459	-1.72977	2.31665	0.27829	-2.18167	-2.18167	-1.68036
1977	7	-2.62216	1.31741	-3.31073	0.963989	1.30377	-0.82022	-0.82022	0.605896
1977	8	-0.842163	0.4487	-3.63745	0.108093	0.730072	-2.11893	-2.11893	0.136444
1977	9	1.70493	-4.38174	-2.98425	-0.95941	-1.01312	-1.90863	-1.90863	-3.23953
1977	10	-1.15E+00	-2.32275	2.86E-02	-0.52142	-4.55E-03	-0.77264	-0.77264	-0.53021
1977	11	0.97998	-0.28876	4.14081	1.77469	-0.57117	-1.80954	-1.80954	-4.41602
1977	12	-3.31E-02	-1.2995	-2.47336	1.56027	-1.34955	1.22083	1.22083	0.20343
1978	1	-0.84256	1.52991	-1.54025	4.10025	-1.31897	4.87057	4.87057	-2.21094
1978	2	-2.96E-01	0.541046	-1.75412	-0.30551	-7.44E-02	1.35242	1.35242	-10.9008
1978	3	-2.00604	2.27408	1.57526	-1.70255	-1.08679	-3.41815	-3.41815	-7.17938
1978	4	-2.00348	0.204803	-4.9834	-1.37006	2.00586	-2.15787	-2.15787	-3.19879
1978	5	-1.66669	-1.10489	-1.43314	3.88022	-0.38168	-0.6499	-0.6499	-0.80731
1978	6	2.91718	-1.41779	-2.40176	-8.30E-02	-0.3909	-0.77905	-0.77905	-1.52917
1978	7	0.161255	0.327911	-2.53732	0.339081	0.592987	-2.5892	-2.5892	-2.61661
1978	8	1.71103	2.55688	-3.57434	3.38437	0.581573	-2.43292	-2.43292	2.43E-02

1978	9	-3.69968	4.75626	-0.31885	-1.3255	0.111481	0.441284	0.441284	0.753754
1978	10	2.71341	-0.29956	0.273987	4.1955	-2.15634	-1.76337	-1.76337	-2.87372
1978	11	2.32056	-1.33777	0.481018	-0.52573	-0.13098	0.535156	0.535156	-5.21E-02
1978	12	-1.15454	-3.40018	-1.78604	3.56018	0.695343	0.774628	0.774628	-0.94858
1979	1	2.14062	0.136108	1.57513	2.85834	-5.84637	0.380676	0.380676	-1.31631
1979	2	2.75436	0.341034	-1.72592	9.46E-02	1.7543	0.917511	0.917511	6.83194
1979	3	2.82614	1.68958	-3.54303	3.86383	-0.35489	4.85825	4.85825	2.67111
1979	4	-1.13608	0.175323	0.203217	-0.14676	-0.38165	-2.08026	-2.08026	0.823029
1979	5	1.34091	2.3519	0.211456	-1.55777	-0.79459	-1.20139	-1.20139	-0.92041
1979	6	0.974091	-1.05649	-1.50388	-0.46726	-0.2937	0.378143	0.378143	2.83652
1979	7	0.534943	1.67441	0.130859	-2.73181	-1.7063	-0.86731	-0.86731	0.40979
1979	8	2.16321	-0.4971	0.732147	-0.55512	-0.51782	-2.07004	-2.07004	-0.16653
1979	9	-1.12607	-2.23654	-2.06036	-0.1817	-1.41772	-1.57333	-1.57333	3.50476
1979	10	2.7175	0.464935	-1.40671	-1.46582	0.614777	-0.58255	-0.58255	0.642365
1979	11	-1.26E-02	1.48785	0.572296	-0.30682	1.51303	2.11426	2.11426	2.00479
1979	12	0.693787	0.308716	-1.40466	-0.98142	-0.52994	-3.19788	-3.19788	-0.41867
1980	1	1.62064	-2.84	1.02325	8.33905	2.12134	-1.10812	-1.10812	3.00067
1980	2	0.31308	1.52072	-3.36432	2.91479	4.42941	2.9559	2.9559	-2.59985
1980	3	-4.15125	0.268677	1.21545	-2.11795	-1.19629	1.91513	1.91513	-3.44229
1980	4	-1.05029	1.82953	2.02271	2.91504	-1.75385	3.76373	3.76373	1.44391
1980	5	1.3436	5.92E-02	-0.55414	0.446442	1.05551	-1.04071	-1.04071	-1.39911
1980	6	-4.29E-02	-0.2691	-0.92716	-3.10904	-0.38251	0.108826	0.108826	-0.13287
1980	7	1.02365	-3.0593	-2.52823	9.80E-02	-1.43402	6.68E-02	6.68E-02	-1.68732
1980	8	-2.99606	-2.53983	-0.47766	-1.14923	0.184967	-0.99374	-0.99374	-0.83084
1980	9	-2.98117	-0.24426	4.47064	-2.4418	-2.84262	2.85968	2.85968	-0.73383
1980	10	-1.9313	-0.19476	-5.62E-02	-1.23502	-0.20474	-1.90207	-1.90207	-2.78271
1980	11	-1.49954	-1.77496	-0.42481	-4.25571	-0.78156	-0.90424	-0.90424	-2.90161
1980	12	-4.88602	-3.94638	-1.94064	-5.02133	2.30475	-1.33948	-1.33948	-4.44586
1981	1	-3.03778	0.713196	1.33905	1.53714	4.39963	-2.4917	-2.4917	1.95108
1981	2	3.83997	-1.47296	2.47107	-2.49252	0.151794	-4.97928	-4.97928	-3.63644
1981	3	0.433136	-1.17783	3.86627	-0.47897	-0.9404	1.31534	1.31534	1.19922
1981	4	-1.17371	-2.1828	1.80371	1.67023	0.659058	1.05554	1.05554	-0.8147
1981	5	-0.851105	-2.56119	0.55127	-2.22076	1.53241	-0.6492	-0.6492	-1.63232
1981	6	0.231567	-1.6409	0.592834	-5.34E-02	-3.21109	1.49353	1.49353	-1.14188
1981	7	0.471954	-2.20328	-1.57672	-0.79163	0.349487	1.49429	1.49429	-0.97263
1981	8	-1.22E-01	-1.15472	-0.20895	1.58899	-4.36E-02	0.471466	0.471466	-2.87354
1981	9	-0.901581	-0.10895	-3.52585	-2.6456	-1.7897	-2.29153	-2.29153	-2.50845
1981	10	-8.65E-02	-5.36844	-2.77051	1.43719	-5.91E-02	-2.41727	-2.41727	0.172882
1981	11	-3.72183	-3.19107	-3.63541	-0.67401	1.25983	-1.38864	-1.38864	0.277893
1981	12	-1.61292	0.906525	-0.50314	2.43237	-3.76953	-2.83469	-2.83469	-1.06036
1982	1	-5.02048	-3.57401	-1.70306	1.82455	-1.68765	0.352478	0.352478	-5.01352
1982	2	-6.15E-01	-0.12335	-1.54971	0.179596	-4.60E-02	-2.6145	-2.6145	-2.84915
1982	3	-1.04605	-1.53E-03	1.39166	-3.62537	-3.75497	3.04694	3.04694	0.572906
1982	4	-1.6972	-1.63757	1.48682	-3.46057	-0.78543	-1.08936	-1.08936	-2.16449
1982	5	-0.758881	-3.89999	0.244049	-2.03046	1.27573	-2.0863	-2.0863	-1.0769
1982	6	-1.78192	-1.34918	1.34073	0.704742	2.11819	-1.08475	-1.08475	-0.19028
1982	7	-4.09195	-3.22647	2.47296	-4.36163	0.528198	-2.8653	-2.8653	-1.54962

1982	8	-0.484467	-1.34781	-6.27E-02	-3.02951	-0.69083	-1.47385	-1.47385	-2.13943
1982	9	1.83182	-3.00E-02	-0.12436	-0.44769	1.99649	-0.12402	-0.12402	-2.13925
1982	10	-1.11832	-4.29E-02	-2.56439	1.2338	-2.06793	-0.14426	-0.14426	-1.04242
1982	11	1.10938	-1.94626	-3.79788	3.92548	0.41214	-2.99063	-2.99063	-0.48401
1982	12	0.647186	-1.66318	-3.90955	-5.44562	-5.97473	2.25281	2.25281	-0.78006
1983	1	-1.08386	-0.1575	-9.25E-02	-3.56335	0.571228	-5.51562	-5.51562	2.83807
1983	2	3.06677	-2.92987	-3.54373	-2.14102	-3.24881	-6.38177	-6.38177	-2.82535
1983	3	0.828735	-0.35172	-0.13544	0.712738	-0.74429	-1.79996	-1.79996	-0.4736
1983	4	-1.22E-01	0.408813	0.4039	-0.70746	-1.03E-02	-4.04398	-4.04398	1.70251
1983	5	-0.756378	-2.06918	-1.45883	-3.20547	-1.36926	-0.50479	-0.50479	0.21228
1983	6	0.301086	-1.91E-02	-2.83215	-0.53375	1.81189	-1.52927	-1.52927	-3.04727
1983	7	-1.24835	2.20911	-1.34402	0.391266	-1.4823	-1.1394	-1.1394	-0.96533
1983	8	-1.36279	1.43E-02	-1.61624	-2.24011	-1.22394	-1.20334	-1.20334	-5.34E-03
1983	9	1.10672	-0.62436	-2.56155	-4.0181	-1.67661	-1.58813	-1.58813	-2.48013
1983	10	-3.47992	-0.20786	0.114807	6.55E-02	0.274872	-1.61536	-1.61536	-2.33884
1983	11	-2.76334	-0.79367	-1.63919	-1.98203	-3.03278	-3.64462	-3.64462	0.890198
1983	12	0.866364	0.281097	-2.10657	1.14728	1.76666	-8.0116	-8.0116	0.265625
1984	1	6.74E-02	-1.1608	-7.00095	-2.83377	1.05984	-2.97202	-2.97202	3.24548
1984	2	2.62738	-3.12646	-5.27701	0.354706	2.5972	-1.88358	-1.88358	-1.61966
1984	3	-0.636658	0.12149	-2.15973	-0.79855	1.59332	-3.65094	-3.65094	-1.32468
1984	4	2.93372	-0.94339	0.892426	-1.39307	0.677856	-0.50076	-0.50076	-2.78088
1984	5	1.1774	-0.71118	1.33536	-0.38705	-1.25598	-1.09369	-1.09369	-0.43411
1984	6	1.25977	-1.4288	-1.48218	0.861938	-1.29919	-4.18146	-4.18146	-0.88797
1984	7	4.73E-01	1.2312	-0.18192	-2.89441	3.23E-02	-3.8992	-3.8992	0.160278
1984	8	9.28E-02	-6.46701	-1.92294	-1.49402	-2.32541	-1.72894	-1.72894	-0.83505
1984	9	0.945618	-1.07477	-0.52277	1.76981	-2.90012	-3.63394	-3.63394	-0.75314
1984	10	-1.4726	-2.06604	0.920593	-0.42212	-2.34723	-3.12256	-3.12256	2.14767
1984	11	0.944183	-1.29135	-4.30841	-0.77301	0.810547	-1.10605	-1.10605	-1.36761
1984	12	-1.32333	-0.58038	0.364746	1.67789	-2.20334	1.45142	1.45142	-1.84167
1985	1	-2.34918	-9.38E-02	-1.66025	0.64035	4.08673	-2.41702	-2.41702	1.31757
1985	2	-2.19412	0.826935	-5.12421	5.371	3.22171	-1.9335	-1.9335	3.45874
1985	3	-0.275665	6.72E-02	-5.14624	1.62125	1.4129	-3.14655	-3.14655	-0.69489
1985	4	-2.3978	2.18213	-1.6246	1.75415	1.77124	-4.36646	-4.36646	1.9324
1985	5	0.779602	-0.81018	-1.59445	-0.16037	1.50851	-1.39331	-1.39331	2.0585
1985	6	-6.88E-02	3.39651	-1.08707	1.01987	0.710999	-0.31567	-0.31567	-1.88257
1985	7	-1.39786	-0.90759	-1.14374	-0.86163	-0.86313	-0.10571	-0.10571	-1.89001
1985	8	-0.903076	-3.9798	-1.40195	-0.12512	-2.38571	-2.25513	-2.25513	-1.71066
1985	9	-0.829376	1.03183	-0.71536	2.21051	1.19427	-2.78812	-2.78812	-2.40323
1985	10	-0.561401	0.412445	-0.29779	0.264496	1.26736	-0.11096	-0.11096	-3.95E-02
1985	11	0.352478	-1.32205	0.749207	-1.63193	-0.88696	-2.73114	-2.73114	-1.14001
1985	12	-0.233612	1.72	-0.83585	-4.25351	-2.91254	1.28262	1.28262	-1.23447
1986	1	-2.27017	-0.629	1.93344	-5.17645	4.40503	3.3385	3.3385	-2.39844
1986	2	1.48776	1.05264	3.25189	-7.51331	0.298615	-0.45969	-0.45969	4.83694
1986	3	-1.57764	-0.77622	0.428375	-1.63275	1.1792	-3.91406	-3.91406	1.38052
1986	4	-2.36139	-1.26428	-0.18378	-2.10446	-1.04865	1.00873	1.00873	-6.93E-02
1986	5	-1.35379	-1.81299	-0.92163	3.54742	-0.31308	-2.04929	-2.04929	1.51797
1986	6	-0.440308	-3.82867	2.76575	2.08597	0.780396	-0.99875	-0.99875	0.767517

1986	7	0.606842	-1.00388	-0.91473	-2.21222	0.722687	0.621704	0.621704	0.272797
1986	8	-0.389191	-2.43921	-1.02576	-3.2319	-1.43622	-0.48734	-0.48734	-2.39206
1986	9	-0.17038	-3.55975	-3.66776	0.778198	1.53458	-2.68433	-2.68433	-2.35843
1986	10	-1.60321	0.485657	9.06E-02	0.775085	1.19968	-2.31036	-2.31036	-1.39001
1986	11	-1.12231	1.73135	0.156311	-0.5585	0.227722	-1.20242	-1.20242	-0.6171
1986	12	0.509888	-0.4216	4.75E-02	3.08429	0.587646	-4.21518	-4.21518	4.07501
1987	1	3.37003	-2.6633	-0.81317	4.27814	-1.71237	-3.57172	-3.57172	-4.04422
1987	2	-0.697815	-3.18246	-2.54883	4.4765	-1.37	6.95422	6.95422	-3.58273
1987	3	2.58826	-2.27621	-1.31433	0.573242	-2.44629	-2.07074	-2.07074	-1.71848
1987	4	-0.4552	-0.797	-3.44229	-3.27087	-1.24893	1.16483	1.16483	-2.83218
1987	5	-1.41269	-0.51437	-1.68073	-1.30356	-0.21619	-0.92551	-0.92551	-1.48383
1987	6	-2.62021	-8.75E-02	-1.17087	-4.67636	0.683716	-1.59747	-1.59747	-0.55048
1987	7	-1.49435	-1.78348	-0.23483	-3.26224	-0.81082	-1.1481	-1.1481	-0.65793
1987	8	-3.43619	9.71E-02	-2.25494	-2.50003	-1.53741	-0.54324	-0.54324	-1.83905
1987	9	-0.473877	-3.10486	-1.26385	2.04E-02	0.874481	1.41669	1.41669	0.106354
1987	10	-2.87302	-1.62186	1.55231	0.489685	-2.26593	2.09375	2.09375	-0.11551
1987	11	1.03638	2.02884	-1.8201	-2.51532	-1.03818	-2.27045	-2.27045	0.849091
1987	12	-0.302216	-1.97018	-0.69644	4.60397	-3.56793	3.62723	3.62723	0.308929
1988	1	-0.204865	-0.86209	-3.09705	1.69943	-0.14597	-0.28622	-0.28622	-1.17514
1988	2	-0.152832	-1.22815	-2.96021	8.97568	-5.436	1.87122	1.87122	0.407654
1988	3	-1.82886	0.929596	2.01166	3.09103	0.325012	0.90213	0.90213	5.134
1988	4	2.1972	-0.2468	-1.18359	2.44815	2.04544	-0.30017	-0.30017	-3.2905
1988	5	1.17792	2.94211	1.04425	-0.87628	2.32312	0.3013	0.3013	-2.3623
1988	6	0.405487	-2.26147	0.911346	-1.01874	2.38699	-1.04767	-1.04767	0.777527
1988	7	-3.90045	-2.50769	-0.51843	-0.49262	-0.34982	1.93158	1.93158	0.133881
1988	8	0.230225	-0.47421	-1.43375	2.99249	-0.41812	-1.01834	-1.01834	-0.64914
1988	9	-0.471588	-2.42966	-2.74765	0.470795	-0.62793	-2.71072	-2.71072	1.68936
1988	10	2.0311	-2.30386	-2.04819	-1.32953	-1.72372	1.21933	1.21933	-0.60391
1988	11	0.566162	-0.94815	8.70E-03	2.28418	-1.47787	1.53638	1.53638	0.155304
1988	12	1.23788	-1.5011	4.03793	4.99759	-1.38913	0.850403	0.850403	1.82944
1989	1	-4.68256	-0.27298	1.86383	-1.04807	-3.74606	3.89099	3.89099	-4.03284
1989	2	-3.43454	-1.40985	0.550385	-3.67291	-1.58099	-3.66129	-3.66129	2.34634
1989	3	-0.777863	0.322693	-2.02115	1.29175	1.26993	1.88474	1.88474	-5.87338
1989	4	-0.195099	2.23822	0.208618	9.60E-02	0.38266	1.22803	1.22803	-0.9083
1989	5	-0.939087	1.10431	0.716553	4.25E-02	1.65933	0.460999	0.460999	-1.78851
1989	6	-0.743225	-1.69839	-0.17798	1.14E-02	-1.4144	-0.63916	-0.63916	-8.13E-02
1989	7	-1.14517	-1.20547	-1.29044	0.719086	-1.3349	-0.41522	-0.41522	-0.88702
1989	8	-0.957886	-1.23102	-2.38785	0.534271	1.00989	0.353668	0.353668	-1.79153
1989	9	-1.63837	1.67786	1.60645	0.233002	-2.09531	-1.74194	-1.74194	0.433044
1989	10	1.10638	-0.66586	1.67609	-0.64212	-1.61765	-0.52835	-0.52835	0.111572
1989	11	0.788361	0.431641	-4.38748	-0.39203	1.18054	1.59058	1.59058	-0.81451
1989	12	-2.42883	-0.74008	1.18304	-4.05441	0.412262	-1.55798	-1.55798	-2.82016
1990	1	-2.36356	1.43512	-3.37527	-6.44925	1.16403	-4.6272	-4.6272	-2.01602
1990	2	-2.43613	-2.63275	2.96277	-1.77271	-2.98669	-0.7208	-0.7208	2.73886
1990	3	2.58176	-6.11E-02	-2.09073	-1.75836	0.487427	-2.38394	-2.38394	-0.61578
1990	4	-1.4967	-1.82059	-1.38568	0.424927	1.91165	-3.07907	-3.07907	0.665009
1990	5	-0.119598	1.00391	-2.85825	-0.78677	-0.44339	-2.21548	-2.21548	-1.2254

1990	6	0.14859	-0.80389	-1.78177	6.06E-02	0.548401	-2.40866	-2.40866	-3.14856
1990	7	-2.94E+00	-1.76599	-1.02884	3.13757	9.92E-02	-1.29532	-1.29532	0.495972
1990	8	1.36533	-1.46323	-1.34845	-6.93E-03	-0.57202	2.17108	2.17108	-0.44855
1990	9	-1.33029	0.516632	1.36194	0.327209	0.139374	0.497864	0.497864	-0.28305
1990	10	-2.62399	-0.39194	-2.75699	-2.32193	2.67438	1.21634	1.21634	1.68118
1990	11	-2.04013	-4.11737	0.321716	-5.0672	0.537018	2.08145	2.08145	-1.89041
1990	12	-0.647339	0.852417	0.520538	1.62167	2.51544	0.635803	0.635803	-0.28687
1991	1	0.471924	2.38181	2.58844	5.94E-02	-0.23337	3.25958	3.25958	-4.52954
1991	2	-3.14612	-1.67267	-0.10114	2.6044	-0.99539	-3.04028	-3.04028	-1.83215
1991	3	1.62216	-1.0936	1.52365	2.96243	-2.3761	-4.06165	-4.06165	-2.59769
1991	4	-0.604401	-1.7612	0.659302	0.91275	-2.54974	-2.96075	-2.96075	-3.43188
1991	5	0.501923	-0.97568	-0.87555	-1.57346	-1.01007	-1.4281	-1.4281	-1.9404
1991	6	-0.58963	0.244812	0.608246	0.551056	-1.23831	-7.23E-02	-7.23E-02	-1.82968
1991	7	-1.56787	-2.33469	0.210968	1.98758	-0.26563	1.56079	1.56079	-1.92703
1991	8	-2.86887	0.644287	2.62024	-0.39362	-1.43213	-1.43094	-1.43094	4.49E-02
1991	9	-0.118591	0.652649	-2.31476	-0.78751	-0.77612	-1.87341	-1.87341	0.147156
1991	10	-2.44632	1.83835	-1.81961	-0.52011	1.19485	-0.62634	-0.62634	-0.90543
1991	11	-0.825531	-0.99716	-0.85379	0.500275	-1.76398	0.502258	0.502258	-4.0632
1991	12	-4.54E-02	-1.80908	-2.66064	-2.49551	2.68246	-4.65228	-4.65228	-0.70328
1992	1	0.875427	1.02521	2.53693	0.86145	-0.60767	-4.702	-4.702	3.61966
1992	2	-0.799011	-3.58426	2.52078	-3.021	-1.34698	-5.0228	-5.0228	-1.88525
1992	3	1.74216	-1.9259	0.708954	-2.44647	-3.88647	1.04013	1.04013	1.1676
1992	4	-3.42499	-0.26648	-1.51529	-1.17526	-1.00916	-2.95795	-2.95795	-2.38669
1992	5	-2.3699	0.517303	-2.01273	-1.60898	-1.06589	-0.29489	-0.29489	-0.3707
1992	6	-1.68854	-1.13467	-2.10828	-2.87213	0.991211	-1.20267	-1.20267	-2.68408
1992	7	-0.889648	-2.42297	-0.11014	-2.96933	-1.91351	-2.00931	-2.00931	-1.30753
1992	8	0.223236	-2.20111	-2.12827	-2.96222	-1.83322	1.25916	1.25916	-1.71365
1992	9	-4.94E+00	-0.68317	-0.15006	-1.8779	-8.38E-02	-2.32022	-2.32022	2.12357
1992	10	-6.73E-01	-3.42615	-3.44418	-4.29071	-1.43E-03	-1.59125	-1.59125	-3.40024
1992	11	-3.63E-02	-2.15897	-2.1073	-3.272	-0.52408	-0.38593	-0.38593	0.662994
1992	12	-1.50E+00	-0.33588	-0.94617	-3.24643	4.96E-02	-1.4321	-1.4321	-0.75247
1993	1	-2.47507	0.749115	1.26505	-2.57126	-2.06036	0.949982	0.949982	-4.83923
1993	2	-0.672241	1.83664	6.65717	-3.37491	4.7699	-0.80368	-0.80368	0.642151
1993	3	-1.63385	0.476593	0.960754	1.27823	-0.7905	1.01984	1.01984	-2.7356
1993	4	0.947601	-0.16299	-0.31848	-1.77457	0.139648	-2.94E-02	-2.94E-02	-1.21707
1993	5	0.32431	-2.69299	-0.83795	3.11E-02	-1.75998	-0.43179	-0.43179	0.281189
1993	6	-0.347137	-0.38889	-0.65857	-1.96765	-0.58939	0.420532	0.420532	-1.04099
1993	7	4.98E-01	-0.97669	-0.63782	-0.41693	5.17E-02	7.01E-02	7.01E-02	-1.60773
1993	8	-8.77E-01	0.222504	-0.79956	-1.51962	-7.95E-02	1.75937	1.75937	-1.37173
1993	9	-1.48468	-1.66464	-0.76697	2.3053	-1.89243	-0.47824	-0.47824	-3.33414
1993	10	-1.8577	0.901642	-0.19309	-0.76892	1.08118	-0.89645	-0.89645	2.42996
1993	11	0.512268	-0.14716	-1.7662	-2.62363	-3.71365	1.88455	1.88455	-0.9574
1993	12	0.851166	-4.06348	-0.43875	-3.42023	-3.64883	4.0079	4.0079	-1.67007
1994	1	1.93573	-0.90448	-4.26535	3.18146	-5.26917	3.0347	3.0347	3.87527
1994	2	1.01517	1.52612	-4.40613	2.91818	0.3526	0.507904	0.507904	3.04016
1994	3	-0.647247	-2.65271	-5.83804	-1.33698	2.66013	-0.53366	-0.53366	-0.26679
1994	4	-0.562103	-2.98767	-2.00027	-1.62567	0.31485	0.337341	0.337341	-0.758

1994	5	-2.34839	-0.8685	-0.64725	2.80804	-2.82019	-3.0087	-3.0087	0.87558
1994	6	-1.71423	1.6709	0.663544	-1.18436	0.635712	0.681549	0.681549	-0.27228
1994	7	-1.05E-01	-0.7002	-1.61353	1.71359	-1.71E-02	0.655304	0.655304	0.329895
1994	8	-0.268463	-1.34412	-1.03674	-0.93332	0.141083	0.921082	0.921082	-0.39746
1994	9	-1.21268	0.50705	-0.21915	-6.96E-02	3.12909	-3.33292	-3.33292	-3.93E-02
1994	10	-0.84491	3.03574	-1.59048	-1.3074	-2.80295	-1.69696	-1.69696	0.868774
1994	11	-2.19E+00	0.993439	1.92E-02	0.5	-5.01E-02	-2.13013	-2.13013	-1.17941
1994	12	-0.846527	0.904999	-0.79337	-3.75104	0.334045	0.83963	0.83963	-3.60556
1995	1	-1.97388	2.15002	-0.87116	-2.37207	-4.08325	0.980377	0.980377	3.60406
1995	2	1.61298	-4.03436	3.24197	-4.18152	-3.10989	4.20493	4.20493	-1.35535
1995	3	2.53775	-4.52481	-2.78165	-4.74597	1.2749	-1.02954	-1.02954	-2.10809
1995	4	2.521	2.03052	-3.48978	-3.60077	0.666046	1.16843	1.16843	-0.57727
1995	5	0.5383	0.657501	-0.67664	0.878418	-0.98846	0.757416	0.757416	-0.3562
1995	6	-4.30261	0.909821	-1.07578	-2.52295	-0.58231	1.71564	1.71564	0.91214
1995	7	0.980438	1.24231	-1.63062	1.72678	-0.10791	-1.93671	-1.93671	1.44528
1995	8	-1.75E+00	-0.69382	-1.28046	-1.35861	-8.55E-02	-3.65073	-3.65073	8.84E-02
1995	9	0.151733	1.07925	-0.88464	2.89441	1.35138	-3.34384	-3.34384	1.02966
1995	10	-2.65179	1.56085	-0.62021	0.375671	2.16016	-1.15125	-1.15125	3.32147
1995	11	-0.920044	-3.32617	-4.26001	1.39648	-1.07187	-1.24554	-1.24554	-2.6546
1995	12	-4.72742	4.40021	-2.62344	-7.45572	-2.39035	5.26233	5.26233	0.728638
1996	1	-0.379578	-0.89999	-2.34927	-4.91245	1.76074	1.3129	1.3129	3.29987
1996	2	-8.96E-02	1.02414	-2.16882	-4.612	0.985291	2.78491	2.78491	0.177155
1996	3	-1.68674	2.82758	-4.64584	-1.01007	3.75043	-0.32886	-0.32886	-0.2854
1996	4	2.27322	-0.68158	-2.23279	-2.67746	1.58676	-1.93057	-1.93057	-2.03198
1996	5	-2.46729	0.121124	3.91E-02	-2.93686	-0.42407	-2.09628	-2.09628	-1.64392
1996	6	8.27E-01	-1.0426	1.68604	3.20996	-8.76E-02	-1.50345	-1.50345	0.706024
1996	7	-3.10095	-1.51257	-1.22653	-0.54361	1.2565	-2.0018	-2.0018	0.219177
1996	8	-0.320587	1.71E-02	-0.11795	0.489197	-1.53232	0.13327	0.13327	-1.48315
1996	9	-2.23349	0.614349	-3.50577	1.75891	0.980591	-1.13104	-1.13104	-0.69165
1996	10	-1.70721	-0.93234	-3.12219	-0.98331	-0.11734	1.53E-04	1.53E-04	-1.16922
1996	11	-1.12802	-0.13925	-0.66541	0.161774	-2.47528	0.306763	0.306763	1.03769
1996	12	-0.474823	0.418121	-3.19415	-1.42072	-3.25113	-5.19769	-5.19769	1.46994
1997	1	0.492828	0.750702	-3.79617	0.538239	0.412445	3.30338	3.30338	4.59546
1997	2	5.43347	2.26184	4.08578	3.0242	3.72562	5.54343	5.54343	0.372345
1997	3	2.70483	-0.51502	2.00336	1.19385	0.962128	2.87595	2.87595	0.145203
1997	4	3.56232	0.121429	-1.6615	-3.75665	0.304047	-0.90906	-0.90906	0.361115
1997	5	-2.52E-01	1.13641	-0.63083	-2.50757	-3.95E-02	0.490692	0.490692	0.138702
1997	6	0.309387	-0.13168	-0.90698	-1.61694	0.577209	0.84613	0.84613	-1.62936
1997	7	2.61884	1.71481	-0.21375	-0.48511	3.38217	1.06979	1.06979	0.329285
1997	8	0.138916	1.74869	1.60315	-2.10852	-0.72452	0.767273	0.767273	2.67755
1997	9	1.48883	-3.77417	1.74234	2.755	-1.27103	2.48978	2.48978	1.93347
1997	10	-1.34842	-0.90735	1.06259	-1.76611	-0.24854	1.99615	1.99615	-5.83E-02
1997	11	-1.79303	-0.58334	1.93829	-2.79871	1.91965	-1.99234	-1.99234	0.786591
1997	12	2.13757	-1.7355	0.350342	-4.13593	5.74036	2.1022	2.1022	-3.19577
1998	1	-0.981262	-2.6008	-0.57437	3.89066	1.64044	0.925201	0.925201	1.50897
1998	2	-0.546631	1.11884	1.76767	2.10809	-0.32639	5.8905	5.8905	2.09204
1998	3	-0.416656	0.151276	6.46286	0.326233	2.37341	-0.81705	-0.81705	1.87253

1998	4	0.441101	-7.87E-03	2.9176	-0.40778	-2.23694	3.70285	3.70285	2.29642
1998	5	2.10632	-0.4173	-0.12784	2.69403	-0.51309	1.8483	1.8483	0.747894
1998	6	-0.239716	2.16962	-0.73248	-1.59406	-0.54721	1.50574	1.50574	-2.39877
1998	7	-1.87027	0.547211	-0.10822	0.299286	-1.56662	2.28339	2.28339	-1.21271
1998	8	-0.13858	0.224487	2.96603	2.28778	0.578766	0.649872	0.649872	-1.15063
1998	9	0.15741	-0.52057	1.26486	0.597412	-0.52771	1.42618	1.42618	-2.24603
1998	10	-0.861115	0.939056	-2.39319	4.07318	1.90256	2.67395	2.67395	0.95108
1998	11	-0.512024	-2.79645	0.80011	-2.2034	-0.87466	-3.39163	-3.39163	3.88809
1998	12	-1.95001	1.34E-02	3.72003	-0.21802	-0.21564	-1.12888	-1.12888	2.29483
1999	1	0.69754	-0.1102	-2.37445	2.33066	1.77713	0.775879	0.775879	-0.44504
1999	2	-1.66483	2.96722	0.887482	2.56238	-4.25491	2.8403	2.8403	-0.87204
1999	3	-3.02E-02	5.77E-02	-0.51202	1.94275	-0.90237	1.55106	1.55106	2.1987
1999	4	2.96472	-4.6442	1.64011	1.41583	-0.85486	-0.79575	-0.79575	0.770721
1999	5	1.06E+00	-0.633	-0.64923	1.06302	4.95E-02	0.279419	0.279419	-7.69E-02
1999	6	1.69E-01	-0.349	2.05423	0.741669	6.06E-02	2.35333	2.35333	-0.40158
1999	7	1.15103	-1.2504	4.21338	-0.88532	0.8638	1.72659	1.72659	1.29117
1999	8	-1.50998	0.623779	1.61154	1.51208	-0.32132	2.27597	2.27597	0.230865
1999	9	-0.884766	-0.75314	4.07376	-0.383	-0.88791	2.43036	2.43036	1.77817
1999	10	-2.00479	1.83694	0.222412	1.65939	1.96567	-0.74414	-0.74414	0.208679
1999	11	-2.68481	0.795746	2.31891	1.4538	1.56314	0.844971	0.844971	9.53E-02
1999	12	1.16309	3.52722	2.50986	-5.22092	2.72064	-1.58459	-1.58459	6.60892
2000	1	3.68E+00	-0.34979	1.98975	0.698639	-3.29E-02	2.05258	2.05258	-5.57492
2000	2	1.57129	-1.44357	-1.79843	-1.4176	-0.90701	-6.01819	-6.01819	-0.24295
2000	3	3.02945	0.407288	1.81927	1.12274	2.54562	0.533936	0.533936	0.2883
2000	4	-5.48E-02	-1.08209	-0.7507	0.43045	-2.01114	1.21613	1.21613	0.975616
2000	5	-1.1022	-3.00479	0.853058	1.57224	-0.15057	2.32721	2.32721	1.0022
2000	6	1.81018	0.2258	0.929535	5.35306	-0.99411	-0.53647	-0.53647	1.39993
2000	7	2.24014	-1.2789	0.709167	2.54218	0.135681	-1.1044	-1.1044	1.39737
2000	8	-0.676483	-1.55103	1.04935	1.84399	-0.31912	-1.68683	-1.68683	0.330139
2000	9	7.63E-03	-1.13657	-0.86237	2.43381	-1.0708	-0.69122	-0.69122	-0.20703
2000	10	-0.923218	2.49554	-1.93109	2.70239	0.396362	-2.77747	-2.77747	-1.81644
2000	11	1.53836	-0.67456	3.96E-02	-1.0549	-3.05597	-3.41632	-3.41632	-1.1788
2000	12	-4.04462	1.604	4.83E-02	2.77829	3.21967	-1.72717	-1.72717	4.15674
2001	1	1.61893	1.35541	0.886627	-0.56177	-1.04257	-1.76392	-1.76392	2.23517
2001	2	0.771484	-3.96707	2.54227	-3.14651	-1.47198	-6.97119	-6.97119	2.78085
2001	3	-2.10587	3.70679	-2.57654	1.66064	1.04462	-0.75824	-0.75824	-4.5766
2001	4	-1.78778	-0.39438	-0.7677	-1.04935	0.161163	-2.07376	-2.07376	-0.76419
2001	5	-0.293091	-0.67319	0.655853	-0.83395	-1.32047	2.50571	2.50571	-1.9465
2001	6	1.52307	-0.84088	0.334534	-1.45044	-0.82941	0.418427	0.418427	-0.12988
2001	7	-0.615662	-0.61539	1.92017	0.955872	-1.4989	-1.91052	-1.91052	-0.74701
2001	8	1.40561	0.145477	0.442261	-2.71451	2.19977	0.266663	0.266663	-0.25324
2001	9	1.44571	1.04935	3.67746	-1.8356	0.473083	-0.58142	-0.58142	-0.17783
2001	10	2.34338	1.07266	1.01071	2.17908	-0.68683	1.72565	1.72565	2.64548
2001	11	0.968384	-0.19107	3.01682	4.67908	3.64853	2.28726	2.28726	1.211
2001	12	2.73056	-0.77988	1.30493	-0.74353	-0.90134	0.321411	0.321411	-5.22476
2002	1	-1.12875	-2.2771	-0.23645	-1.19647	0.791229	-4.2139	-4.2139	-0.50534
2002	2	-1.41232	0.210846	2.88068	-2.42081	2.99442	-2.8158	-2.8158	0.269043

2002	3	2.70764	-0.5737	7.71918	-0.59576	-1.88358	4.78094	4.78094	1.9039
2002	4	0.214722	-0.27429	-1.0061	1.17133	0.230865	-0.34836	-0.34836	3.16391
2002	5	2.05112	1.18912	0.289062	-0.98837	-2.54037	1.03592	1.03592	0.579895
2002	6	0.350464	1.63962	2.55002	-1.37283	0.964691	-1.37E-02	-1.37E-02	1.50793
2002	7	-0.40567	-0.9372	4.72217	0.283081	-0.76331	-0.16962	-0.16962	1.4325
2002	8	-1.02039	-1.66901	2.71234	-2.05133	-2.37473	-7.26E-02	-7.26E-02	1.59344
2002	9	1.80762	2.11505	2.81046	-3.0997	1.27017	-1.61374	-1.61374	2.20465
2002	10	3.9454	2.11444	-0.25061	0.100494	0.346466	-0.66815	-0.66815	-0.66434
2002	11	0.582581	-1.16107	-0.5285	-3.75052	2.15262	0.21225	0.21225	-2.61819
2002	12	1.47986	-0.20108	-5.37256	0.221283	2.72275	0.825623	0.825623	-2.39899
2003	1	-6.40E-02	1.98962	-1.47186	0.741333	-0.13666	1.8797	1.8797	-4.56003
2003	2	-0.424316	0.827148	-5.26901	1.34808	2.99551	-1.61697	-1.61697	1.82706
2003	3	0.444763	0.891785	-6.25534	-1.51978	2.19443	1.04434	1.04434	1.83E-02
2003	4	-0.440796	3.1817	-0.58228	0.744324	2.78204	-1.10257	-1.10257	-2.3205
2003	5	1.89282	-0.13098	-1.68423	2.12262	2.66074	0.967804	0.967804	0.439178
2003	6	0.347992	-0.49689	-0.79807	-0.82306	2.8208	0.481323	0.481323	0.265717
2003	7	3.40E-01	2.23651	-1.27722	1.85748	7.74E-02	9.82E-02	9.82E-02	-1.92932
2003	8	0.948914	3.63278	0.277344	1.03497	2.36249	-0.82672	-0.82672	-0.82544
2003	9	0.394409	-1.80966	-1.80774	-2.2197	-0.50763	-2.72253	-2.72253	-1.30713
2003	10	1.4682	2.14404	-0.164	-1.1954	-0.25043	-0.57626	-0.57626	-1.65683
2003	11	-1.32E-01	-1.80725	-3.21118	2.33188	5.52E-02	0.731873	0.731873	1.38589
2003	12	4.38248	2.22742	0.122162	-4.29044	-1.95544	-0.49628	-0.49628	4.35321
2004	1	1.42133	-0.49368	2.09653	-2.80E-02	-2.73657	1.58249	1.58249	4.39676
2004	2	-0.115936	3.75345	2.51529	-0.4382	-1.30301	1.0329	1.0329	1.63956
2004	3	0.426636	4.2319	6.23E-02	1.36523	-0.12958	1.69095	1.69095	-1.5083
2004	4	0.953796	3.60632	-1.3432	1.92725	-0.20395	-0.40237	-0.40237	6.54E-02
2004	5	3.18451	-0.61249	-0.24735	8.27E-02	-1.32559	-0.3205	-0.3205	2.0528
2004	6	-4.85E-01	-1.27979	0.404938	-2.38065	-4.14E-02	0.187225	0.187225	2.00424
2004	7	5.31E-02	0.46283	-1.10193	0.579376	-1.11981	-0.74231	-0.74231	0.445984
2004	8	1.01422	0.586304	-2.72934	3.84308	-2.57043	2.29218	2.29218	1.42136
2004	9	-2.14249	1.34744	-2.50424	-1.16779	1.03717	2.41806	2.41806	-2.40823
2004	10	-0.376617	1.33005	1.04669	0.218781	-1.05585	0.294647	0.294647	0.208588
2004	11	-4.29E-02	-0.25366	2.7966	2.37	2.36993	-8.45E-02	-8.45E-02	-1.66269
2004	12	-1.71994	-0.8143	-1.48834	2.96799	1.49005	1.12112	1.12112	0.628113
2005	1	1.66882	-0.4046	-1.63977	-0.89816	0.169647	3.08688	3.08688	0.178284
2005	2	-0.799622	0.594635	1.75507	4.11719	0.489807	2.81262	2.81262	6.10376
2005	3	-0.290741	-0.94351	2.11646	-1.25565	-2.0871	-3.27716	-3.27716	0.732422
2005	4	-1.0972	-0.23309	2.84232	-0.13635	0.19516	-1.67355	-1.67355	0.302002
2005	5	0.418304	1.23492	1.68057	0.380524	2.09811	2.28009	2.28009	0.880798
2005	6	0.638275	-0.1676	1.15292	0.875244	2.4006	0.584625	0.584625	0.810028
2005	7	-0.68396	0.468903	0.855774	0.630981	1.422	-0.76581	-0.76581	4.18E-03
2005	8	-1.92249	0.901489	0.954834	0.85318	1.32889	-0.30203	-0.30203	-1.11456
2005	9	-0.162079	1.45364	-0.72687	1.43509	4.04858	1.97238	1.97238	-1.87234
2005	10	-3.99E-02	-2.91595	1.93719	0.983185	1.19055	-0.57736	-0.57736	0.533783
2005	11	1.58939	0.777557	1.24469	-2.91541	-1.66797	2.28458	2.28458	-1.59961
2005	12	-1.76874	2.71182	6.74E-02	-0.99301	-5.55435	0.232117	0.232117	1.35861
2006	1	-3.62198	2.95462	-0.30875	-4.04034	-6.49066	2.06238	2.06238	-0.97382

2006	2	-3.20602	-1.82196	2.90887	-6.073	2.91949	-1.4505	-1.4505	-1.00903
2006	3	-3.01315	-1.4624	-0.18283	-1.57E-02	0.229401	1.72156	1.72156	3.0224
2006	4	0.37851	-3.78E-02	0.700897	-0.34427	1.99994	0.19165	0.19165	0.764923
2006	5	0.670197	1.51321	-0.57465	-0.59848	1.12051	7.24E-02	7.24E-02	-1.33472
2006	6	2.58029	1.89771	0.695618	1.12686	1.6011	-0.84326	-0.84326	1.69934
2006	7	1.22174	0.76593	0.517975	0.737274	3.44849	1.9223	1.9223	0.213196
2006	8	2.29623	3.3392	0.59964	1.27499	3.33658	-2.51154	-2.51154	-0.26056
2006	9	3.72852	2.29236	2.84274	3.6113	2.3205	0.707458	0.707458	-0.41104
2006	10	2.8107	1.46875	2.55069	-0.7756	0.391174	-0.53037	-0.53037	-0.71854
2006	11	1.30646	-2.05667	-2.10071	0.4104	2.95374	-1.69724	-1.69724	0.433105
2006	12	1.18228	0.656525	0.235962	2.54218	1.35666	-4.72937	-4.72937	-0.68439
2007	1	2.66083	0.843323	-4.90E-02	-3.52316	0.249146	-2.0546	-2.0546	3.35226
2007	2	-0.974335	-3.04837	4.24438	-1.06442	-1.13519	0.608215	0.608215	-4.84985
2007	3	0.778534	-0.79791	-3.02554	-9.56E-02	-1.11508	2.70786	2.70786	0.973999
2007	4	1.65372	0.177429	-0.9519	0.383026	0.132965	1.84503	1.84503	-1.4939
2007	5	0.854095	1.44321	0.823364	-3.43958	0.337311	-1.9603	-1.9603	1.75879
2007	6	-3.59E-02	-0.4379	-0.59546	-0.70456	2.17331	-0.68985	-0.68985	2.16373
2007	7	1.62903	-0.79028	-1.31384	0.337891	-0.1734	-0.13052	-0.13052	0.992096
2007	8	2.49313	-0.2872	1.51126	-2.9566	1.13107	-1.31772	-1.31772	0.733459
2007	9	0.140533	0.934937	-1.78326	-1.18121	1.64249	-1.56741	-1.56741	0.431671
2007	10	8.58E-02	-1.55255	-2.76801	1.92859	-0.13455	-0.57047	-0.57047	-0.66724
2007	11	0.666656	1.08655	0.44339	3.87338	-1.45987	0.270172	0.270172	-1.24921
2007	12	0.893768	0.4776	-2.00577	2.08908	3.36255	1.79303	1.79303	-4.15018
2008	1	-2.45978	-1.90329	1.36935	5.42404	-1.80807	3.25659	3.25659	-2.37723
2008	2	-0.729523	-0.25247	2.16E-02	3.4126	1.48019	1.01022	1.01022	1.26074
2008	3	-1.73514	1.0455	-0.53003	6.53152	1.96552	-3.84256	-3.84256	-1.00919
2008	4	-0.760376	-2.33328	-0.48999	4.11444	2.15524	-1.25607	-1.25607	0.670929
2008	5	0.945618	1.36481	0.116455	1.90262	-0.30386	1.814	1.814	0.500885
2008	6	-2.66992	-0.28879	0.464722	4.09766	-2.4809	0.697449	0.697449	0.154144
2008	7	2.61804	2.94672	-0.43692	1.30847	-0.6828	4.48E-02	4.48E-02	-1.62073
2008	8	-0.849976	2.50208	-0.88074	2.30539	-1.42331	0.392273	0.392273	0.43045
2008	9	3.85092	-0.78937	-0.91824	1.10159	-0.53082	2.16968	2.16968	4.16965
2008	10	-1.19492	-1.41434	-1.10849	-1.02893	-1.89044	0.293549	0.293549	0.125061
2008	11	-0.452332	0.787628	0.620514	1.2193	1.07764	-3.05463	-3.05463	0.856812
2008	12	1.81128	2.07321	3.04495	5.78308	0.343353	1.89713	1.89713	-0.85059
2009	1	2.89233	1.78101	0.728638	-3.66E-04	1.24182	0.259094	0.259094	-1.85052
2009	2	4.83E-01	0.484924	0.666565	10.0232	2.88E-02	2.20352	2.20352	0.899139
2009	3	3.84854	-2.61581	1.29715	2.95312	-0.17279	1.27914	1.27914	1.02032
2009	4	-1.62869	-1.07108	-0.55869	-1.24887	0.65744	-5.47E-02	-5.47E-02	1.93301
2009	5	-2.14E+00	2.1452	2.02197	0.686646	-8.58E-02	-0.27539	-0.27539	1.90118
2009	6	1.61258	-0.33698	0.958832	-1.87103	0.814392	-0.49667	-0.49667	2.01984
2009	7	-0.110962	-0.92688	0.130371	1.62466	1.543	1.11948	1.11948	1.17297
2009	8	2.28821	2.84598	0.579346	-1.85483	1.74988	0.267181	0.267181	1.64926
2009	9	-0.475189	-0.85846	-0.77756	1.75589	0.136993	2.16196	2.16196	-0.91245
2009	10	-1.0383	-1.04654	-2.72171	-0.76602	2.90335	1.93845	1.93845	-2.31573
2009	11	-0.777222	-2.57666	1.84561	-2.26071	1.65604	0.73175	0.73175	-3.81E-03
2009	12	4.53296	0.526398	1.55145	2.43439	3.17737	1.29382	1.29382	-1.96286

2010	1	4.88492	2.9877	0.96994	3.76166	-4.48837	1.6228	1.6228	-0.74414
2010	2	2.92789	-1.65137	-1.71E-03	-0.71542	0.534515	-0.1163	-0.1163	-4.70374
2010	3	-3.81354	-1.08051	2.02997	0.63205	1.24902	-1.18585	-1.18585	-2.67899
2010	4	-0.56308	1.03381	1.3938	1.53665	0.615143	0.411224	0.411224	0.317627
2010	5	-0.292694	-1.09778	1.69427	4.27383	-2.81677	1.73691	1.73691	-0.33542
2010	6	0.601776	-0.10358	1.91983	4.23035	-1.55539	2.60632	2.60632	-1.12796
2010	7	0.646637	0.868408	1.08026	-9.72E-02	-2.42322	1.7897	1.7897	-0.81003
2010	8	1.19531	4.0777	2.65173	4.01489	-0.55463	2.11557	2.11557	0.312439
2010	9	2.00543	0.762756	0.445038	5.14651	-3.32721	1.59857	1.59857	0.370056
2010	10	-0.117615	2.21625	1.83389	3.98E-02	-1.35922	-0.43765	-0.43765	0.732086
2010	11	0.753082	1.24866	1.10172	1.2883	0.525421	3.59396	3.59396	0.511902
2010	12	-3.32364	-0.29849	1.64163	0.901978	2.52615	3.02121	3.02121	1.79861
2011	1	0.98642	0.46991	0.729736	-1.32297	-1.84167	4.49E-03	4.49E-03	-3.23624
2011	2	-2.25851	3.06113	-5.96793	-6.39801	0.447113	-1.01758	-1.01758	-1.84805
2011	3	1.61636	0.856995	2.90115	0.924347	0.704712	0.393341	0.393341	3.21411
2011	4	-1.2399	-2.3389	1.70493	1.96124	-1.28604	1.35413	1.35413	0.142822
2011	5	0.786621	-1.20148	-0.71033	-0.61118	1.00873	1.54062	1.54062	1.01868
2011	6	-0.596832	-0.51248	7.49E-02	2.26785	1.79831	-0.50577	-0.50577	0.414825
2011	7	-0.257965	-2.0806	0.330566	0.395172	2.0484	2.7012	2.7012	-0.41602
2011	8	-2.74539	-0.93832	2.04306	-2.12241	0.279785	2.24637	2.24637	2.79395
2011	9	0.811829	0.794647	1.34036	-3.0376	0.682983	1.68079	1.68079	2.99576
2011	10	1.3786	1.05435	3.00769	-2.7691	0.224365	2.57385	2.57385	2.60358
2011	11	9.94E-02	-1.00735	-0.73789	0.367188	0.569122	1.47726	1.47726	-0.1983
2011	12	0.636871	2.11612	5.74185	-0.58453	-1.53625	-1.39059	-1.39059	-1.17377
2012	1	-3.20267	1.20712	-3.72885	-1.74646	-0.28647	-5.49982	-5.49982	-3.55832
2012	2	0.240265	5.06354	0.989685	4.7348	-2.1434	-5.15698	-5.15698	1.89716
2012	3	-0.945038	7.16E-02	-3.24142	2.20004	-0.7833	-4.74936	-4.74936	-0.14697
2012	4	-0.132477	2.09512	1.41342	-1.41586	0.631958	-1.54767	-1.54767	4.69052
2012	5	-0.360687	-0.15729	-1.70493	3.67023	-1.14398	2.07251	2.07251	0.515381
2012	6	1.57059	2.13501	-1.95038	-0.75815	-1.16211	1.21445	1.21445	0.494324
2012	7	6.38E-02	1.80792	-0.73773	-0.78732	-0.70532	1.6701	1.6701	0.58728
2012	8	1.00583	2.3476	-0.70886	1.55139	-0.15314	1.83588	1.83588	1.87506
2012	9	1.69211	0.47934	0.849854	1.25229	-2.38773	2.55548	2.55548	-1.74045
2012	10	0.507599	3.02786	-0.4989	0.865692	0.170349	2.22064	2.22064	-0.40292
2012	11	3.32297	3.41956	0.674103	1.92218	2.45084	1.87186	1.87186	2.53531
2012	12	0.368774	-2.45029	-0.79794	-0.85852	2.24167	2.73792	2.73792	-5.35E-02
2013	1	2.41122	0.583008	-0.43097	-1.74554	2.39822	1.048	1.048	1.42978
2013	2	-2.19522	-1.62756	-5.18451	3.62219	2.36551	3.96542	3.96542	-0.64496
2013	3	0.14505	-1.69592	2.69208	-1.54047	-1.0748	2.81863	2.81863	3.66953
2013	4	1.24841	-2.19937	3.15591	1.12903	1.06726	3.12225	3.12225	2.08731
2013	5	1.69342	-1.65878	0.74527	-1.31836	2.45291	-0.9234	-0.9234	-0.14981
2013	6	3.43799	-2.78668	0.762329	2.11624	-1.39709	0.794952	0.794952	-1.59497
2013	7	3.44055	-0.38428	2.08936	-0.47812	-0.1716	1.2103	1.2103	0.201996
2013	8	1.83704	-1.48001	2.22314	-1.86E-02	1.71176	1.34457	1.34457	0.899841
2013	9	-0.357483	-0.28006	3.19165	-1.36E-02	-1.50043	0.877075	0.877075	1.86755
2013	10	1.44739	1.96E-02	2.9931	0.227173	0.511078	2.86694	2.86694	2.33109
2013	11	-2.57974	2.78934	2.42929	1.03137	0.292419	-0.24454	-0.24454	-7.82E-02

2013	12	0.221985	-0.9343	2.30826	1.28839	1.44077	-1.4585	-1.4585	1.42142
2014	1	-1.43268	-3.26868	2.54163	0.261841	1.03732	-1.11111	-1.11111	5.47897
2014	2	0.322174	-1.84238	-1.08701	1.15518	4.6748	-1.86868	-1.86868	0.216858
2014	3	7.35E-03	9.48E-02	2.05096	1.92584	1.8107	0.408234	0.408234	1.81631
2014	4	2.29901	-1.5275	2.6369	1.74744	0.776642	-0.13358	-0.13358	1.29572
2014	5	2.09332	0.454407	0.746368	-1.43286	0.714325	2.18289	2.18289	3.24759
2014	6	-0.30603	3.478	1.50952	-0.91785	-0.46658	2.51535	2.51535	1.90714
2014	7	1.72446	0.441315	2.87848	0.127991	0.949371	1.819	1.819	0.47879
2014	8	0.915527	-0.93402	2.68805	-0.21323	0.830688	0.630768	0.630768	1.68475
2014	9	1.73141	3.88934	1.11465	-0.22971	0.483978	0.689362	0.689362	1.79865
2014	10	2.5603	-0.12756	2.4454	-1.11511	0.605377	1.12164	1.12164	-2.31064
2014	11	-0.290436	2.70053	1.26801	-1.39172	0.232635	1.49567	1.49567	2.8606
2014	12	-0.319122	0.561523	2.67014	3.11337	0.727753	1.12192	1.12192	0.309631
2015	1	0.43573	-0.83389	5.62125	-0.84595	3.09943	4.00909	4.00909	-4.94E-02
2015	2	-3.40723	4.87195	-2.22681	0.679382	1.56039	4.0842	4.0842	-2.95294
2015	3	-3.12286	0.220093	-1.75354	3.19485	0.105103	3.86853	3.86853	6.08E-02
2015	4	3.95932	1.37311	1.19522	-1.91956	-2.12103	1.77615	1.77615	-0.44818
2015	5	0.224701	1.16953	2.74615	-0.20728	0.467712	-0.39841	-0.39841	-0.76672
2015	6	7.63E-04	0.257111	2.97452	1.32535	1.86401	0.524139	0.524139	1.25674
2015	7	2.30634	2.21432	2.97687	1.94217	1.48129	-0.71811	-0.71811	1.78818
2015	8	0.599609	1.10709	1.49963	1.142	0.727264	1.65268	1.65268	1.31244
2015	9	3.03732	1.88666	2.82224	-3.94128	-1.5957	0.270874	0.270874	3.31885
2015	10	2.91681	-2.20956	2.98169	-3.45621	0.141968	8.58E-02	8.58E-02	1.13757
2015	11	1.56186	-0.22977	1.7778	2.36447	1.38992	-0.67575	-0.67575	1.3548
2015	12	-1.42334	1.64151	0.17804	0.553467	2.11865	-1.60239	-1.60239	-2.35437
2016	1	2.44702	0.484009	6.95325	-5.65E-02	0.705627	3.6506	3.6506	2.42258
2016	2	0.252167	4.27142	0.669495	0.210999	-5.57599	2.90271	2.90271	3.07574
2016	3	0.649353	0.993591	1.42407	-1.50165	-1.86569	1.76175	1.76175	5.24802
2016	4	2.20001	3.89383	-0.92029	-3.16046	0.970245	2.24005	2.24005	1.99722
2016	5	2.6933	3.0535	-1.11954	-3.51688	-0.26196	3.1806	3.1806	0.6586
2016	6	0.411163	1.7699	0.40744	-3.05E-03	-1.25409	-0.90488	-0.90488	2.69263
2016	7	1.70865	0.6875	1.38235	0.603363	-0.60632	-0.198	-0.198	3.56927
2016	8	1.47751	-1.6991	0.746735	2.27258	1.16766	1.33676	1.33676	0.216156
2016	9	3.07123	3.03363	-0.78656	-2.3063	-0.11432	1.31558	1.31558	-5.45E-02
2016	10	0.48349	1.79874	1.6366	-2.1777	-0.42923	0.299347	0.299347	0.396667
2016	11	-1.50833	3.34964	-1.05051	2.13809	-0.53488	2.23727	2.23727	1.91769
2016	12	0.118683	-1.48639	3.92484	6.96567	-4.41504	2.79303	2.79303	-1.53519
2017	1	-2.76187	1.4361	2.02173	-1.93106	0.905823	1.78738	1.78738	2.88666
2017	2	-1.49524	2.97293	3.38187	5.22418	-0.64151	1.2106	1.2106	2.61795
2017	3	-0.508942	-2.44211	-1.37595	3.71664	0.155823	-0.79517	-0.79517	-1.53458
2017	4	0.785919	3.20621	1.36823	1.47083	-0.68475	0.782837	0.782837	-0.39429
2017	5	-1.74319	2.51172	2.18567	-3.59958	-1.74399	1.375	1.375	2.84378
2017	6	1.24908	-0.7601	0.418945	1.96387	0.155518	-1.05286	-1.05286	2.16583
2017	7	1.91245	1.37003	0.184265	1.10739	0.963074	-0.32221	-0.32221	1.37167
2017	8	0.255219	2.14908	1.34726	0.373383	-0.65933	1.87686	1.87686	-0.30075
2017	9	1.22363	-0.63367	1.23535	1.3819	1.96149	1.97198	1.97198	1.52066
2017	10	2.3938	1.04544	1.53601	0.789795	-0.27875	4.65454	4.65454	2.54257

2017	11	-2.92E-02	0.932251	3.53561	1.02478	-1.70065	1.99158	1.99158	-0.6698
2017	12	0.993561	0.574219	-2.88055	5.22159	-1.30646	1.80222	1.80222	1.76672
2018	1	1.07E-01	-0.93109	7.35052	0.546753	-3.73E-02	7.11719	7.11719	1.74438
2018	2	2.30206	1.62885	2.30048	0.370697	0.154907	5.4725	5.4725	0.592468
2018	3	-1.01984	2.42719	-0.37253	-1.86627	-0.7952	0.127045	0.127045	-0.78369
2018	4	2.34372	1.54431	-0.12128	0.708344	0.455566	3.94864	3.94864	0.527924
2018	5	2.32382	-6.46E-02	-1.26764	4.19824	-0.92407	0.484314	0.484314	4.3923
2018	6	-3.76E-02	2.99371	0.871246	4.33905	0.276398	1.32773	1.32773	4.17282
2018	7	4.41E-02	4.48672	0.269562	-3.50653	1.8797	1.98059	1.98059	4.60269
2018	8	-0.169769	-1.3208	0.522034	3.42419	0.966888	0.947571	0.947571	4.38187
2018	9	5.47482	1.60974	0.749146	3.80981	0.52478	2.27777	2.27777	0.580963
2018	10	3.5668	3.78064	2.5451	-0.56641	3.42856	-1.01974	-1.01974	2.19058
2018	11	7.78E-01	0.117554	1.94519	1.42E-02	3.04E-02	2.36316	2.36316	1.5051
2018	12	-2.85E+00	2.03052	-0.40045	-3.02094	-9.31E-02	0.238403	0.238403	3.14581
2019	1	-1.28E-03	3.43472	4.98035	3.14185	2.78503	-3.84622	-3.84622	1.61426
2019	2	0.565979	1.84204	4.39737	0.986694	0.496216	5.43671	5.43671	-2.47284
2019	3	-0.590637	4.56989	1.16287	-0.21277	0.743225	1.95074	1.95074	-2.73358
2019	4	0.450195	0.802307	0.701508	3.02713	0.326569	3.99295	3.99295	1.77463
2019	5	-2.17798	-2.28079	0.399353	2.25394	1.00623	2.99741	2.99741	0.815094
2019	6	-2.39621	3.10562	-0.16937	1.13696	-0.91269	4.08234	4.08234	0.874115
2019	7	-1.24637	2.89713	0.20166	-1.50281	3.60669	2.3717	2.3717	3.43179
2019	8	0.531616	1.5968	4.80E-02	1.711	1.22589	1.45096	1.45096	2.13187
2019	9	-2.70688	2.22894	0.231537	-0.17761	-0.27103	3.90878	3.90878	4.98267
2019	10	2.80E-01	1.63605	2.27551	5.34769	8.39E-02	-0.37454	-0.37454	1.12488
2019	11	2.81E+00	4.38193	3.51239	-2.95172	-6.57E-02	-0.77625	-0.77625	2.66159
2019	12	3.75378	2.11E-03	1.94565	3.07089	0.290558	-5.25458	-5.25458	4.52362
2020	1	3.11673	2.5748	-4.52347	1.29565	-0.10226	-1.9631	-1.9631	0.832458
2020	2	0.211487	3.18954	-1.74902	2.25519	-0.21741	2.07523	2.07523	-0.68094
2020	3	0.407135	3.46759	4.67117	-3.21005	0.118408	3.11523	3.11523	2.4794
2020	4	-1.69479	-0.43619	3.02792	2.50644	0.423767	2.98865	2.98865	2.50772
2020	5	1.62421	1.65042	2.33096	4.27673	0.477631	1.2326	1.2326	0.285278
2020	6	-1.21872	2.20932	1.01154	-1.32385	-2.43451	2.19223	2.19223	0.571838
2020	7	0.964935	-1.48618	2.58408	3.01666	0.884674	2.4971	2.4971	1.02438
2020	8	4.02252	-0.30402	0.806641	1.79797	0.338989	2.69336	2.69336	3.38635
2020	9	2.50613	-6.92E-02	2.14053	-0.2034	1.75787	2.76926	2.76926	2.38956
2020	10	1.66599	2.30246	1.86661	-1.69662	2.57697	3.07855	3.07855	2.48868
2020	11	1.53848	0.496155	3.00092	1.7088	1.55844	2.87637	2.87637	0.287201
2020	12	-2.59003	0.50351	0.632141	-8.42E-02	-2.64944	2.83322	2.83322	1.35492
2021	1	1.73373	-0.87509	-5.74316	-2.55746	2.57193	0.368591	0.368591	-0.97113
2021	2	1.13208	7.30E-02	-3.05371	-1.58652	-1.05151	4.65692	4.65692	4.62396
2021	3	1.26764	0.999084	4.09695	-0.21146	1.22232	-0.89575	-0.89575	1.93091
2021	4	0.347321	1.75662	3.49432	0.244324	1.24405	2.12003	2.12003	0.261505
2021	5	0.849823	2.2233	2.61118	4.52353	1.82062	0.684692	0.684692	1.40448
2021	6	4.01508	5.37262	1.09833	1.44266	1.33929	-1.29837	-1.29837	1.36264
2021	7	0.821136	3.94812	1.31586	-1.83572	1.08908	2.35239	2.35239	1.23868
2021	8	2.33081	5.32608	0.628845	0.379791	1.32608	2.75308	2.75308	2.98996
2021	9	-0.310883	2.39813	-0.25226	2.5358	0.777985	2.59637	2.59637	5.07727

2021	10	-0.659515	-1.15546	0.856201	1.70227	2.22717	1.68924	1.68924	2.48538
2021	11	-0.248535	4.97034	1.10519	1.43637	-4.46176	1.82275	1.82275	4.03339
2021	12	2.19437	3.32993	2.54236	4.39307	2.40207	3.23923	3.23923	2.53851
2022	1	3.06754	0.887604	1.82443	5.33603	1.09534	9.08E-02	9.08E-02	-0.15253
2022	2	4.85889	-3.59277	5.20389	0.124176	-1.86121	2.948	2.948	3.85165
2022	3	2.06393	-2.39801	4.84106	-0.23297	-0.5329	1.56274	1.56274	3.9664
2022	4	7.71E-02	2.26971	2.94321	2.09485	1.83405	2.18304	2.18304	4.03632
2022	5	-1.71E-01	9.74E-02	-0.40604	0.670929	-6.06E-02	3.2515	3.2515	-0.21011
2022	6	1.81229	-0.90378	-0.23068	-0.50696	-0.4711	3.15195	3.15195	1.24664
2022	7	3.52686	2.38171	0.709656	3.18698	0.314697	3.9451	3.9451	-0.51971
2022	8	1.47891	2.90759	1.46826	-0.79562	0.707764	1.04767	1.04767	1.55066
2022	9	1.68692	2.48785	1.48444	1.96609	0.82608	1.75598	1.75598	0.159546
2022	10	-0.107208	-0.93924	2.6828	-0.21201	-1.86774	0.312836	0.312836	1.04929
2022	11	0.547577	1.53564	0.417694	-1.23502	1.78613	-1.20203	-1.20203	2.98279
2022	12	-0.746918	3.12802	1.28836	0.34137	7.98895	3.47372	3.47372	1.11523
2023	1	2.78372	-0.92868	5.86703	4.74796	6.26553	4.2247	4.2247	4.49728
2023	2	3.51288	1.16263	2.01089	-4.32431	3.48001	-1.2005	-1.2005	2.33176
2023	3	3.39026	-0.7027	5.02737	1.84125	1.38321	2.79614	2.79614	-1.25677
2023	4	1.7984	2.43842	-1.8674	3.50153	3.24176	1.87915	1.87915	-1.06198
2023	5	2.09692	0.269623	-1.13754	2.65762	1.13004	0.249512	0.249512	-0.16193
2023	6	-1.11353	3.45782	-1.58847	6.16E-03	0.122101	3.18274	3.18274	2.78802
2023	7	1.22983	2.6889	-0.55124	3.88528	-0.92331	-0.18231	-0.18231	3.28967
2023	8	0.799316	-0.44843	2.56366	1.4491	0.781464	0.72406	0.72406	2.81116
2023	9	2.95E+00	4.62485	1.79794	0.862488	7.23E-02	-2.12543	-2.12543	5.50665
2023	10	3.74741	0.720245	4.13199	3.37878	0.218353	1.69846	1.69846	-0.77362
2023	11	1.89386	-0.58405	4.86789	3.56189	4.28864	2.66107	2.66107	-3.39E-03
2023	12	-1.29092	0.770721	2.13724	2.89438	0.408447	1.78531	1.78531	-2.32697
2024	1	-4.20E-02	0.10141	5.85175	0.542328	-5.48828	5.2366	5.2366	2.24838
2024	2	0.689667	1.11624	1.85077	6.1041	0.480194	2.76682	2.76682	0.27536
2024	3	0.839142	0.630188	4.27048	8.35605	-2.11807	-0.45505	-0.45505	-0.3461
2024	4	2.7966	2.8699	3.94891	-0.84787	1.56296	2.30392	2.30392	0.495514
2024	5	2.57672	1.77393	-1.66135	2.20154	1.65561	1.43921	1.43921	1.04358
2024	6	-0.238617	0.43692	-1.10526	-1.01315	-0.20389	2.21704	2.21704	2.35233
2024	7	0.468933	2.44443	1.15088	0.647675	-1.36691	1.98419	1.98419	0.566193
2024	8	0.690125	1.79819	0.331757	2.8472	-1.64331	2.03928	2.03928	1.58124
2024	9	3.08252	0.549744	3.03464	2.07401	0.49939	0.548065	0.548065	4.41336
2024	10	2.69629	5.15305	1.8446	0.297485	0.122253	2.63574	2.63574	1.53278
2024	11	0.744171	-3.04477	-1.35901	0.304382	2.14383	4.93256	4.93256	2.37509
2024	12	3.40686	1.64301	3.42694	-1.09271	1.77255	1.48801	1.48801	7.71872
2025	1	0.295929	-1.64798	-1.78625	5.51276	3.56973	-0.948	-0.948	1.24728
2025	2	-0.858917	2.61554	-0.10071	4.22458	0.361206	-1.38388	-1.38388	3.13367
2025	3	-2.82324	2.96469	0.760864	4.12653	1.42032	1.89865	1.89865	0.916504
2025	4	-1.38498	1.9599	0.923798	1.49823	-0.58795	3.37863	3.37863	-1.85287
2025	5	1.07532	4.4985	-0.96155	0.673218	-0.83197	3.34662	3.34662	-0.38052
2025	6	0.174866	6.49762	1.92664	-0.63916	-1.0256	3.42935	3.42935	0.542145
2025	7	0.971039	2.66852	1.44537	4.00558	-0.92752	4.42661	4.42661	-4.02E-02
2025	8	1.28671	3.6069	2.70505	4.2511	-0.33041	2.67096	2.67096	1.99036

2025	9	-0.245178	1.17114	1.87314	1.61942	0.770996	1.30508	1.30508	3.26517
2025	10	-0.474792	2.61926	2.16519	2.13669	1.33347	2.48795	2.48795	5.14526
2025	11	2.55576	1.52173	-1.72958	0.98349	2.49362	-0.18723	-0.18723	1.46851
2025	12	0.30896	0.154602	-1.27414	0.697876	2.88626	-2.43439	-2.43439	3.36212
2026	1	2.55804	0.383423	4.24844	3.41943	1.44113	3.19998	3.19998	-0.64932
2026	2	-2.05182	0.607239	0.400269	-3.5502	3.2106	0.121124	0.121124	-3.17105
2026	3	0.905457	4.5737	2.44055	-0.83966	-0.66229	2.62503	2.62503	-0.6232
2026	4	0.487823	2.9093	0.531799	-1.31857	1.15564	0.793732	0.793732	8.89E-02
2026	5	-0.273193	2.81271	-1.07483	-1.77347	0.133911	1.09372	1.09372	5.45108
2026	6	-1.26471	4.1929	8.00E-02	0.322449	0.908905	1.45255	1.45255	0.871216
2026	7	-3.95E-01	4.526	0.868256	-1.42892	-9.78E-02	1.96118	1.96118	2.81268
2026	8	2.29752	0.363281	0.527252	4.94559	-0.86823	2.22946	2.22946	3.20334
2026	9	-0.308868	1.51465	-1.06296	3.41711	1.13858	4.41467	4.41467	3.13977
2026	10	1.96991	2.73615	-1.01721	0.88147	-0.44565	-0.10284	-0.10284	2.44168
2026	11	0.933777	3.02023	1.55899	1.84277	-0.76737	1.92297	1.92297	3.88791
2026	12	1.53366	1.70963	-1.19855	4.41669	2.54895	2.14273	2.14273	2.98392
2027	1	2.42224	4.27542	3.03094	-2.80975	0.910919	4.82358	4.82358	5.75446
2027	2	2.25146	-0.71536	8.05609	0.798004	-0.90768	3.0423	3.0423	-0.71936
2027	3	1.44934	1.36008	1.31598	-1.99475	0.396912	3.13464	3.13464	5.98911
2027	4	0.475922	3.43991	1.3645	-0.19006	3.45596	3.28354	3.28354	2.13232
2027	5	2.8028	4.8703	1.93848	-0.64087	0.398834	1.409	1.409	1.34769
2027	6	1.32468	3.6687	-0.11707	1.42136	-1.4856	3.10342	3.10342	1.48474
2027	7	5.10715	6.1127	0.670776	3.46469	5.16937	3.4931	3.4931	2.87329
2027	8	4.21591	3.81567	1.57684	1.97177	3.99368	3.12576	3.12576	3.61664
2027	9	5.12894	2.98294	8.44E-02	5.03601	1.94308	2.67456	2.67456	3.57385
2027	10	2.7355	2.89114	2.3718	-0.3363	-0.56964	4.84354	4.84354	2.47867
2027	11	1.89758	4.62375	2.19452	-1.47263	0.755219	5.36606	5.36606	3.2348
2027	12	2.84479	1.66391	5.15085	0.321289	1.09116	1.56882	1.56882	5.74704
2028	1	-5.91357	2.4382	2.78473	-4.75314	-0.78818	7.82788	7.82788	2.13367
2028	2	-3.00113	0.977631	1.52377	2.0145	3.54391	0.9841	0.9841	1.67465
2028	3	0.488556	2.2496	3.15778	3.70374	2.79242	2.53394	2.53394	0.8367
2028	4	0.177521	1.5697	0.514221	-4.68817	1.84247	3.67593	3.67593	2.42722
2028	5	2.4733	2.72601	0.819061	-1.72226	2.98502	3.17749	3.17749	1.2619
2028	6	0.694366	-1.4032	1.05603	4.98376	-1.79279	-0.93637	-0.93637	2.13354
2028	7	0.294128	-2.8909	1.06256	0.405365	0.831879	2.1369	2.1369	1.84528
2028	8	1.48523	1.36768	0.831055	-1.61682	-0.75934	2.66257	2.66257	2.48584
2028	9	1.25562	3.57315	1.62555	-1.45801	0.856384	3.58289	3.58289	3.65527
2028	10	1.6543	2.00385	-1.42899	0.347687	-1.88434	-0.23096	-0.23096	0.664368
2028	11	3.69528	5.66E-02	2.72949	1.28058	0.475739	3.72995	3.72995	3.15649
2028	12	0.969086	-0.9519	2.65555	2.28247	1.99866	1.47443	1.47443	0.869324
2029	1	0.908325	1.60E-02	-4.98706	6.93893	-4.46716	1.90439	1.90439	4.87216
2029	2	0.973663	3.86743	0.920166	2.66629	5.4758	-2.95529	-2.95529	2.23755
2029	3	-2.04E+00	0.769897	3.27396	1.53555	-4.44E-02	-1.94147	-1.94147	2.9501
2029	4	-1.3703	2.36502	1.26822	3.66824	1.78867	-1.43176	-1.43176	-1.69699
2029	5	2.5975	3.36572	3.42557	2.27194	0.155609	2.63062	2.63062	0.68689
2029	6	4.85419	1.6369	2.43463	1.05045	1.5015	2.19363	2.19363	3.95752
2029	7	4.83914	3.68951	4.79007	3.96298	1.86438	2.0737	2.0737	3.54538

2029	8	6.43362	4.21198	2.76154	1.73709	-1.59714	3.54886	3.54886	2.63284
2029	9	5.25443	1.70303	2.21594	2.35269	-0.11762	3.37186	3.37186	2.75116
2029	10	5.63651	4.55975	3.37009	-2.40793	0.492371	6.53E-03	6.53E-03	3.47726
2029	11	1.24707	4.16254	2.71631	0.171692	0.590546	1.44815	1.44815	3.19611
2029	12	2.60E+00	-1.4169	0.947754	3.32407	2.01E-02	2.93753	2.93753	4.04874
2030	1	2.51434	2.82132	3.13113	1.37875	0.399841	2.5332	2.5332	3.44507
2030	2	2.85599	1.97525	1.96237	2.83881	1.1369	2.97681	2.97681	1.77036
2030	3	2.55695	1.4581	-4.31473	5.80573	1.4534	0.817047	0.817047	-1.71979
2030	4	3.31421	1.22592	0.985413	2.71155	0.541748	3.62775	3.62775	1.13272
2030	5	3.056	1.40002	-9.18E-02	-0.27066	1.97702	-9.14E-02	-9.14E-02	5.30798
2030	6	2.21277	-0.64948	1.38962	0.79306	0.138	2.09274	2.09274	2.95963
2030	7	1.18845	1.88101	0.714355	3.11337	-0.34543	3.74359	3.74359	5.24689
2030	8	0.554932	2.48257	0.693939	2.95349	0.174866	1.40247	1.40247	3.42325
2030	9	2.06332	2.80203	0.946136	1.48389	2.89789	4.05157	4.05157	2.45425
2030	10	2.09119	2.00095	0.530609	0.813293	1.94388	1.42755	1.42755	3.90247
2030	11	1.89697	2.22995	-0.17789	1.38409	-0.40726	2.40848	2.40848	-2.47189
2030	12	1.98056	1.6571	4.18823	0.722473	0.41156	4.07101	4.07101	-3.61526
2031	1	3.08554	0.582123	1.65665	3.11584	-0.64896	7.19608	7.19608	4.57828
2031	2	0.996979	0.490448	-1.98273	4.10898	-1.81711	4.33643	4.33643	4.59915
2031	3	4.06735	1.07959	3.08627	-0.29077	-1.21017	4.65213	4.65213	2.12662
2031	4	0.218597	0.73822	2.20682	-1.42465	-2.68463	3.05243	3.05243	0.600525
2031	5	-0.450806	4.47E-02	1.97116	0.489532	0.790222	2.74E-02	2.74E-02	1.86728
2031	6	0.320892	2.4657	1.65063	2.63416	0.305511	0.412048	0.412048	3.28122
2031	7	-0.140472	1.8815	3.12177	0.901489	0.289185	0.959198	0.959198	1.95679
2031	8	-0.468079	4.41919	2.23874	1.2428	1.97958	1.35077	1.35077	3.88605
2031	9	1.59653	3.12766	2.31094	4.55109	-1.87003	4.38046	4.38046	3.90137
2031	10	1.8157	1.36176	0.834412	-2.177	-0.47635	2.01263	2.01263	3.10156
2031	11	1.10037	5.06046	0.446808	1.7403	0.487732	3.43896	3.43896	1.0423
2031	12	1.16309	1.33212	2.95804	6.21127	0.817963	5.27921	5.27921	-1.72757
2032	1	3.44052	2.9317	0.220825	6.93134	-2.24866	8.27988	8.27988	3.51096
2032	2	4.96E-02	3.27213	-1.73441	1.9993	0.785614	3.78491	3.78491	3.03674
2032	3	2.19315	0.819702	3.75797	5.79944	-0.93887	2.14944	2.14944	0.674713
2032	4	3.9639	1.05231	2.22733	2.21494	1.17615	0.921539	0.921539	2.37201
2032	5	-0.309906	2.56992	1.81006	2.98505	1.01813	2.5076	2.5076	0.106293
2032	6	3.17679	-0.4017	-6.14E-02	-1.61255	1.93109	3.71243	3.71243	2.73172
2032	7	0.898041	0.107422	0.482056	2.55856	3.68307	2.1441	2.1441	2.79938
2032	8	4.05252	-0.26382	2.09015	-0.51242	0.869385	3.48856	3.48856	3.88586
2032	9	5.39203	-1.56265	3.31674	1.74979	2.74408	3.42398	3.42398	1.91287
2032	10	0.656189	-0.94656	3.63831	3.98959	0.920959	2.52356	2.52356	-0.23831
2032	11	1.92267	-0.89865	6.1918	1.75589	-3.03827	-0.24484	-0.24484	1.7048
2032	12	1.45947	-0.5011	0.606934	3.40018	0.703064	5.30301	5.30301	-2.99417
2033	1	2.38272	2.16702	0.316132	3.44595	-2.21936	3.6543	3.6543	6.00757
2033	2	0.295471	4.06564	-0.18753	0.281281	3.43869	0.2771	0.2771	1.73605
2033	3	2.00815	2.99509	3.42776	2.48343	0.679108	-0.70575	-0.70575	-2.14838
2033	4	3.44391	-9.30E-02	0.320618	4.92163	2.08014	-1.47968	-1.47968	4.24942
2033	5	-1.38608	2.08862	4.26868	2.73813	-0.63068	3.5369	3.5369	3.13388
2033	6	0.42218	2.1752	4.02155	-3.01404	-2.10059	1.65485	1.65485	3.35272

2033	7	0.520355	1.98E-02	5.09036	-2.91531	-0.5289	0.539886	0.539886	2.33978
2033	8	0.14151	6.13718	3.57846	1.84079	-1.18732	2.46878	2.46878	1.52255
2033	9	2.46701	6.46185	4.81775	1.55359	0.120483	2.87418	2.87418	3.23096
2033	10	3.1282	2.64926	2.0795	3.8649	1.65616	3.41724	3.41724	1.48969
2033	11	1.68747	4.36646	3.6171	4.41409	2.37753	2.56717	2.56717	-1.15421
2033	12	5.44516	1.5235	1.42734	3.71948	2.43427	-1.97119	-1.97119	1.99622
2034	1	5.21E+00	0.903198	8.80634	6.31494	2.94E-02	4.21179	4.21179	4.84937
2034	2	4.10916	1.81253	1.08197	5.4852	0.398895	1.07211	1.07211	2.33984
2034	3	2.40594	3.93127	6.16437	4.26895	1.9978	-1.83084	-1.83084	2.12271
2034	4	-0.99588	5.28751	2.1373	-5.36E-02	1.53195	2.41144	2.41144	-0.3436
2034	5	-0.291992	1.58542	2.17645	0.469727	1.72504	3.75601	3.75601	1.24258
2034	6	-1.82361	-0.28748	5.41382	0.605865	1.13062	2.39764	2.39764	1.13004
2034	7	-0.361755	3.31122	5.51828	1.49167	1.82709	1.84729	1.84729	3.43958
2034	8	0.53302	3.93307	3.63583	3.14398	3.08038	-0.69074	-0.69074	4.26965
2034	9	9.46E-01	7.51883	6.84824	5.8241	3.59E-02	-0.18222	-0.18222	-1.83865
2034	10	2.20221	1.41766	3.57709	0.999695	1.74557	5.10724	5.10724	-0.74362
2034	11	1.94336	2.57413	1.14011	-1.40472	-0.79416	3.77457	3.77457	1.75201
2034	12	6.20987	2.40302	2.49673	0.385681	0.27417	-0.42157	-0.42157	4.47614
2035	1	1.31564	-0.18958	3.01224	3.42334	-1.51178	-1.88251	-1.88251	4.79538
2035	2	1.22739	0.602936	5.33008	-0.3736	-0.81479	-3.52628	-3.52628	2.27716
2035	3	-0.871643	2.4274	1.56216	3.92834	-0.62509	-0.89847	-0.89847	3.08902
2035	4	0.180023	2.32022	-3.42E-02	4.18704	0.636353	1.05573	1.05573	2.22873
2035	5	-1.21899	4.01361	2.98785	1.37823	1.11401	3.74512	3.74512	2.98727
2035	6	2.25467	3.2016	3.49823	2.78085	0.782715	-0.88605	-0.88605	1.54953
2035	7	1.50494	6.00931	3.02307	3.43887	2.8031	1.9653	1.9653	3.1973
2035	8	4.18771	3.63959	0.99295	3.4704	1.60388	2.81985	2.81985	1.61417
2035	9	5.07E-01	3.99945	2.61053	1.1973	8.58E-02	4.83456	4.83456	1.36246
2035	10	-0.764404	4.53235	-1.7966	1.58228	-1.78973	3.20105	3.20105	-0.42844
2035	11	2.74527	1.54105	1.867	-0.20581	-0.36566	3.58975	3.58975	1.80331
2035	12	2.27536	3.32312	-0.47327	5.41559	0.854462	6.13492	6.13492	2.87784
2036	1	1.55652	2.37152	3.28574	5.56433	1.29254	10.9647	10.9647	1.98157
2036	2	5.64978	1.10785	2.63849	2.8208	2.18399	3.828	3.828	2.64874
2036	3	4.28094	2.23679	4.78497	1.07812	1.05823	3.33185	3.33185	4.18442
2036	4	3.4436	-0.8631	4.84232	0.424927	2.81256	2.77475	2.77475	2.72281
2036	5	2.19162	0.825317	2.88675	3.49445	0.840637	3.465	3.465	4.25479
2036	6	4.63696	1.63141	5.87704	0.797668	-0.60651	4.62762	4.62762	3.95132
2036	7	2.44763	0.777802	5.06436	0.763092	0.603271	5.09048	5.09048	3.41147
2036	8	4.29092	3.16299	5.42255	2.76587	0.342773	4.67456	4.67456	4.51114
2036	9	0.449829	4.03714	1.20114	2.69809	-0.71143	8.47067	8.47067	1.63037
2036	10	-0.524597	0.616058	4.1535	3.16687	0.833557	6.05725	6.05725	1.46347
2036	11	-0.282532	4.37405	2.1842	4.4368	0.838623	5.10785	5.10785	3.9382
2036	12	1.83508	2.09351	2.46475	-0.90143	0.117554	-1.08878	-1.08878	5.29953
2037	1	-2.17368	3.93771	-4.42615	5.00046	5.26193	3.81927	3.81927	3.54846
2037	2	0.947083	1.98325	-4.29391	0.509491	1.19791	2.35962	2.35962	5.79276
2037	3	0.80014	5.43689	3.53366	0.470245	-0.53	2.04733	2.04733	-0.14368
2037	4	3.36481	2.34592	1.49142	3.02933	-1.06345	-0.56186	-0.56186	2.06583
2037	5	1.61752	1.4122	0.979675	3.09772	2.99673	-0.15451	-0.15451	-7.26E-02

2037	6	0.332367	-0.2301	2.37692	-7.32E-02	2.23819	2.63153	2.63153	1.51974
2037	7	0.345032	1.59402	4.31638	2.02448	2.60318	2.42319	2.42319	2.59427
2037	8	2.70163	1.30789	3.84204	-0.74802	1.72437	1.62067	1.62067	3.35336
2037	9	2.41003	4.09094	1.64304	3.14362	4.19269	2.54208	2.54208	2.48935
2037	10	1.76941	1.69995	4.89511	0.414795	1.00986	3.38113	3.38113	2.89926
2037	11	0.531464	1.89233	4.75861	0.610596	1.94244	5.63547	5.63547	1.81628
2037	12	1.89E+00	1.98862	4.26193	1.85806	4.06E-03	3.37683	3.37683	0.916718
2038	1	4.60864	-0.17059	1.10925	2.18524	-0.35947	2.86639	2.86639	2.83627
2038	2	4.03748	5.59583	4.44958	-3.14142	-2.936	2.18073	2.18073	6.52E-02
2038	3	3.79346	1.92477	4.49628	5.77994	-0.62338	3.61273	3.61273	2.07901
2038	4	2.2995	2.49081	3.87131	-1.68686	1.55716	2.96844	2.96844	1.27933
2038	5	1.69931	2.30392	2.07648	0.79953	1.73322	0.438507	0.438507	2.05399
2038	6	1.25037	3.2337	0.849823	-0.65274	1.71271	3.22974	3.22974	0.869415
2038	7	1.90695	4.28622	1.16776	-4.73E-02	2.68329	3.15689	3.15689	4.41379
2038	8	1.64713	1.17999	3.31125	-0.16522	0.425964	2.17065	2.17065	1.07697
2038	9	8.00323	0.448639	-6.99E-02	1.7114	-1.0018	2.71118	2.71118	1.99796
2038	10	0.92041	3.90353	2.3295	1.21487	1.81625	2.24146	2.24146	3.48569
2038	11	3.11948	2.65933	2.88E-02	1.10468	0.16452	1.01965	1.01965	3.96411
2038	12	3.20428	1.66562	3.01526	4.09177	0.877869	3.54782	3.54782	-2.03E-02
2039	1	1.24533	3.2457	4.21713	5.63434	-1.45355	4.92099	4.92099	4.70538
2039	2	-0.99704	2.09665	-0.28503	1.98E-02	1.07462	3.6275	3.6275	7.37994
2039	3	0.101654	5.19E-02	3.07596	3.57925	1.91953	3.66956	3.66956	2.98062
2039	4	1.31	-0.20749	2.68842	2.49524	1.99466	2.40775	2.40775	3.54831
2039	5	1.24002	-2.42319	0.684174	1.05203	0.331726	1.16299	1.16299	2.90399
2039	6	2.62338	-2.31229	3.01492	2.85535	-0.89731	2.15225	2.15225	4.00174
2039	7	3.82693	-0.73578	3.79416	0.444183	-1.89441	2.4953	2.4953	1.96448
2039	8	3.41821	2.58759	4.69565	0.674469	0.948486	2.98087	2.98087	1.39606
2039	9	1.61124	3.73465	-9.74E-02	3.1308	-0.65402	2.70346	2.70346	5.08035
2039	10	-3.23E-02	1.75195	5.5065	1.11938	0.352173	4.43436	4.43436	2.50568
2039	11	0.526978	2.48373	4.08582	3.3985	0.593536	2.11456	2.11456	1.43829
2039	12	2.63718	2.22211	5.69174	4.51208	1.64764	3.94672	3.94672	3.27673
2040	1	-0.115082	5.28452	0.499847	4.57123	2.01923	3.96558	3.96558	5.10498
2040	2	3.48648	4.53894	-0.19363	3.83969	1.37772	-1.30209	-1.30209	0.689667
2040	3	0.378052	3.5983	-0.24295	7.96185	1.0921	0.44046	0.44046	3.65842
2040	4	2.58521	0.798126	2.7785	-0.32736	2.03085	0.211151	0.211151	1.6282
2040	5	2.43701	2.05072	2.74225	-1.44366	0.128937	2.90491	2.90491	1.9455
2040	6	3.09909	1.04861	3.25812	-2.63025	0.788208	4.02295	4.02295	3.13824
2040	7	3.07056	1.15701	3.39017	5.55E-02	1.13779	3.4003	3.4003	2.92847
2040	8	4.13412	-1.4996	4.32294	-0.9989	1.00677	2.53287	2.53287	2.64566
2040	9	2.99753	0.395935	2.16776	1.15521	1.41129	4.76526	4.76526	1.78336
2040	10	1.07779	2.65485	3.6011	-0.94751	0.973053	2.87985	2.87985	2.79016
2040	11	-1.02582	5.18793	5.80801	0.608093	0.274231	2.47318	2.47318	1.69449
2040	12	2.12338	1.1337	2.62955	1.23059	-2.73285	4.69873	4.69873	5.20044
2041	1	3.88333	1.73212	-2.18005	4.36826	2.09344	4.61859	4.61859	-1.79083
2041	2	-3.30551	3.81903	-4.34311	-0.9484	1.62131	0.991608	0.991608	-0.84235
2041	3	-0.677155	-0.97141	2.65796	3.08273	2.76562	3.71396	3.71396	-0.802
2041	4	3.81281	1.66602	3.1149	7.62E-02	0.738739	2.33475	2.33475	3.65991

2041	5	2.2887	0.809509	6.91E-02	3.87454	3.27951	3.47641	3.47641	1.96799
2041	6	2.04117	-9.64E-02	2.48962	-0.21454	4.25699	3.84424	3.84424	4.77563
2041	7	1.99564	4.74252	2.95068	2.90479	2.2652	2.2775	2.2775	2.69327
2041	8	4.02231	5.5043	1.43884	4.02768	2.42859	3.48117	3.48117	4.99374
2041	9	3.66501	0.429535	-0.57755	2.84021	3.3248	6.04697	6.04697	4.14706
2041	10	2.98621	3.28503	-1.612	3.62979	3.77338	2.95456	2.95456	1.66327
2041	11	3.39368	1.79953	2.50299	0.676483	1.95804	1.67105	1.67105	3.25641
2041	12	-0.18454	-0.31018	3.35925	4.83429	0.627563	1.47272	1.47272	2.77951
2042	1	-2.78757	2.26221	-0.85385	4.16904	3.82373	4.85068	4.85068	3.60886
2042	2	-1.83041	2.75653	3.59549	2.4917	3.1142	5.4407	5.4407	4.24686
2042	3	6.56E-02	2.5838	2.26047	2.27744	-2.79E-02	-2.41586	-2.41586	-6.82E-02
2042	4	0.908112	-1.6225	1.4408	-5.07886	1.53726	3.52405	3.52405	1.07272
2042	5	0.305695	3.1799	1.11276	-1.83466	1.92941	4.4386	4.4386	1.25848
2042	6	2.62936	4.55371	1.99265	-1.70663	1.13351	2.18045	2.18045	1.34393
2042	7	5.38614	4.2565	4.80328	1.29578	1.80759	2.61249	2.61249	2.86908
2042	8	3.69281	1.48428	3.39276	4.89819	2.54617	2.12497	2.12497	4.04504
2042	9	2.88943	4.11954	4.55093	2.32401	0.804077	0.53418	0.53418	6.29575
2042	10	1.08499	3.41885	2.64709	0.992676	3.76025	2.97525	2.97525	3.75949
2042	11	5.13187	0.413147	8.35E-02	1.31857	1.94604	0.296051	0.296051	5.0983
2042	12	3.32516	-0.9415	0.783936	3.78159	3.83197	3.38522	3.38522	4.57242
2043	1	3.17804	2.35962	0.262848	2.12186	-3.05228	-0.87531	-0.87531	6.01318
2043	2	3.36127	4.95074	2.42349	1.10358	1.03149	2.02472	2.02472	3.74225
2043	3	-8.94E-03	-2.56	4.67038	1.54883	-0.1536	4.11954	4.11954	1.77182
2043	4	2.16382	1.84402	1.26651	1.14914	0.837158	1.35074	1.35074	0.54953
2043	5	4.95941	0.138	0.938354	0.824738	0.50592	2.06302	2.06302	2.7724
2043	6	1.61877	1.97711	2.32272	2.12274	0.541595	2.35724	2.35724	3.70532
2043	7	2.28793	0.105316	1.25146	-0.33884	2.7554	2.2868	2.2868	4.09198
2043	8	3.83932	4.1279	0.338348	2.077	2.20718	4.10617	4.10617	1.91626
2043	9	6.08142	1.65564	1.43906	0.923004	3.29837	1.71277	1.71277	1.52737
2043	10	3.38989	0.918549	3.04141	-0.69421	0.897949	1.12524	1.12524	2.70099
2043	11	5.13828	4.65735	-0.84851	0.947174	1.21692	2.46817	2.46817	1.70459
2043	12	3.31836	2.9751	1.62445	2.18259	1.17236	2.65042	2.65042	2.24142
2044	1	0.914948	-0.2897	0.331848	7.30313	4.42023	6.6394	6.6394	3.86957
2044	2	1.08096	-5.08206	0.892273	1.4675	-0.4194	7.00983	7.00983	2.40497
2044	3	3.19675	3.8425	4.62866	1.50574	1.32532	3.83774	3.83774	0.922516
2044	4	3.76151	4.07861	1.3349	-0.53226	1.57034	1.94455	1.94455	5.42633
2044	5	2.65469	3.39102	1.57547	0.924438	2.29483	2.03101	2.03101	1.72388
2044	6	3.50388	5.89291	2.29254	-0.53604	-0.40021	3.79922	3.79922	1.86023
2044	7	4.07645	5.56873	2.57758	1.68137	-0.233	3.9519	3.9519	3.16217
2044	8	3.97751	4.36478	4.21466	5.39148	-0.61273	2.55548	2.55548	6.87454
2044	9	3.26193	3.04166	2.76083	4.2403	0.25	2.24307	2.24307	3.12076
2044	10	3.91998	3.48886	1.86819	4.11508	0.345459	2.21555	2.21555	2.50757
2044	11	2.75607	2.77545	0.3125	1.59149	2.41083	2.71817	2.71817	2.5419
2044	12	2.81506	2.0239	3.19525	4.22018	3.72055	1.46091	1.46091	1.58682
2045	1	2.24265	1.27811	3.15704	10.5939	2.62415	8.65649	8.65649	1.08176
2045	2	3.54568	3.00925	5.79297	2.608	3.6467	1.91901	1.91901	5.03467
2045	3	2.37643	4.83228	2.99286	0.851654	2.61133	2.09485	2.09485	4.59921

2045	4	2.12891	2.36783	1.7796	1.27863	-0.28116	1.70715	1.70715	1.97293
2045	5	4.34982	1.9819	0.285767	0.426422	0.300415	1.77151	1.77151	1.3566
2045	6	3.09827	3.70212	0.816345	0.691864	2.65961	4.59393	4.59393	2.08704
2045	7	6.24475	3.77402	0.645477	4.06009	4.77267	5.76508	5.76508	1.73639
2045	8	2.57422	3.302	2.58264	3.34317	3.57309	3.94116	3.94116	2.80576
2045	9	0.146637	1.02524	3.73416	2.491	0.80307	2.40637	2.40637	3.42795
2045	10	0.45108	-2.95004	3.70209	4.09338	1.34186	3.07803	3.07803	3.55988
2045	11	2.63837	3.35324	2.30371	1.40479	4.64764	1.50458	1.50458	3.93729
2045	12	6.47348	1.9798	2.88016	-0.11801	-3.59433	2.56912	2.56912	4.57642
2046	1	4.38464	3.80261	1.32715	4.07663	2.36172	7.3244	7.3244	5.33948
2046	2	2.58289	3.33572	-3.03363	-1.07159	-4.55481	1.10291	1.10291	12.0719
2046	3	1.55676	-1.00711	1.68896	2.43954	2.8963	6.25125	6.25125	2.62311
2046	4	2.29712	2.5083	3.24011	4.31314	3.11365	2.25473	2.25473	4.3121
2046	5	1.8378	2.25131	4.38977	-0.54327	0.266815	1.117	1.117	2.97678
2046	6	1.23587	4.49921	2.83273	-2.28864	1.58569	3.68903	3.68903	2.94193
2046	7	2.37503	2.88281	6.31778	4.43356	2.83499	1.90829	1.90829	3.23499
2046	8	4.03802	1.77899	5.19534	2.76468	4.21677	1.86536	1.86536	4.02515
2046	9	1.58002	1.94943	2.29065	3.7117	1.05618	2.05658	2.05658	2.45996
2046	10	1.18289	2.24014	2.12619	2.19589	-0.41025	3.55255	3.55255	4.24579
2046	11	2.59888	3.93753	1.01529	3.98257	-0.52988	2.85416	2.85416	3.1048
2046	12	0.977478	4.53732	2.91675	7.32327	0.577545	3.4317	3.4317	2.84442
2047	1	1.75024	0.411499	2.23203	1.34244	-2.50656	0.944183	0.944183	4.54886
2047	2	7.85E-01	1.68085	3.43637	2.86328	-3.95E-02	-3.91E-02	-3.91E-02	6.10095
2047	3	-5.62E-02	1.77E-02	2.13287	2.68484	-1.33398	4.08594	4.08594	1.9404
2047	4	2.50232	-1.577	0.436707	3.49664	0.175964	4.69165	4.69165	-0.10129
2047	5	3.68182	2.19012	2.52115	2.58405	1.31232	1.86679	1.86679	1.59048
2047	6	1.46048	0.790924	4.18692	6.56894	0.395813	5.15353	5.15353	3.87393
2047	7	5.66776	1.03741	7.25089	1.01767	5.92468	5.25058	5.25058	3.9455
2047	8	5.55212	1.19089	4.11325	5.07077	5.44147	3.98987	3.98987	4.39236
2047	9	2.85242	3.95053	3.47433	4.55881	1.66397	4.38327	4.38327	4.93085
2047	10	2.68188	2.19205	5.32779	1.63577	-0.51633	6.72824	6.72824	5.30078
2047	11	2.69598	2.78824	4.93011	0.219086	-0.81906	2.35867	2.35867	2.1243
2047	12	2.91217	0.329498	1.39294	2.73846	1.81256	4.53763	4.53763	1.19461
2048	1	5.56253	-1.6257	-2.19196	8.04965	-1.88635	-2.13031	-2.13031	1.24637
2048	2	4.23499	-0.25348	3.62399	-0.27252	3.68991	-2.1994	-2.1994	-2.28006
2048	3	1.88895	1.93439	4.24408	2.59064	0.475403	0.471436	0.471436	3.51392
2048	4	4.40982	2.16232	2.2836	1.76633	3.07477	2.80325	2.80325	1.66791
2048	5	3.3031	3.2164	0.330963	4.32254	-0.31998	3.33871	3.33871	3.96979
2048	6	3.54459	2.17651	0.92804	2.64645	0.750793	4.52563	4.52563	5.22263
2048	7	2.87433	-1.03799	2.20886	5.82089	-0.28391	4.5029	4.5029	3.60437
2048	8	2.99631	-0.2756	3.90546	4.98648	3.31738	5.81836	5.81836	3.99225
2048	9	6.57263	1.05194	4.63266	3.81491	0.992096	4.99118	4.99118	3.35696
2048	10	2.74701	1.94214	1.10571	1.44748	3.25278	4.87015	4.87015	2.04639
2048	11	-0.302216	1.82495	1.586	1.41238	1.95474	3.05008	3.05008	4.64331
2048	12	0.757568	2.28802	2.12494	3.38339	-1.07513	-2.43008	-2.43008	3.52841
2049	1	3.68594	2.4021	2.39423	2.03204	-3.18506	3.4505	3.4505	0.108856
2049	2	2.59818	5.69803	4.53659	7.5795	3.233	2.9494	2.9494	3.74414

2049	3	0.404358	1.22028	3.35577	4.00085	-0.63599	2.07404	2.07404	5.49652
2049	4	3.72E+00	-8.48E-02	1.56772	4.79535	2.87E-02	1.55154	1.55154	1.67932
2049	5	2.92041	0.801025	2.65515	0.350342	1.43091	2.41391	2.41391	3.48569
2049	6	2.64038	6.84E-02	6.24344	3.20627	1.65469	2.58594	2.58594	2.67764
2049	7	4.69943	1.85193	7.33057	4.56079	1.02087	4.81009	4.81009	2.8736
2049	8	5.36523	1.74899	4.96866	1.33389	-2.91983	3.70358	3.70358	4.85434
2049	9	3.95862	0.613831	5.07755	3.0134	-1.94061	0.592072	0.592072	5.37906
2049	10	1.51981	4.49234	1.72791	4.7168	1.20767	3.35834	3.35834	5.63367
2049	11	2.05508	2.29123	3.0925	2.76727	-1.32986	7.19516	7.19516	4.54959
2049	12	1.46619	2.90582	3.42795	-0.73773	2.64606	2.80301	2.80301	2.10052
2050	1	3.03732	3.0686	2.74475	-2.40387	-0.94208	5.22818	5.22818	7.51346
2050	2	3.85547	4.81784	8.80948	-3.28192	2.19699	1.25781	1.25781	5.60864
2050	3	4.20013	2.35538	8.10547	3.53143	3.29861	1.76373	1.76373	5.5632
2050	4	4.10382	2.401	2.24261	7.49033	3.92514	-0.86716	-0.86716	4.6954
2050	5	3.42291	2.2312	1.50195	5.01273	1.65143	5.08929	5.08929	3.2702
2050	6	2.08517	1.83911	2.14532	4.06714	1.5639	3.15515	3.15515	5.03162
2050	7	5.90726	2.68301	4.51706	0.890778	2.56277	3.1489	3.1489	5.69528
2050	8	6.22131	5.79538	2.91266	0.593079	1.37997	4.63797	4.63797	3.78784
2050	9	2.33261	5.74216	2.30524	2.76251	1.95889	6.34317	6.34317	0.855774
2050	10	6.9642	5.37735	2.26529	3.04437	2.12238	7.96024	7.96024	2.10986
2050	11	1.53848	3.99445	5.86191	3.4097	1.30374	2.83347	2.83347	1.5014
2050	12	2.53809	3.48471	1.46744	2.40967	-0.36105	1.58841	1.58841	5.12262
2051	1	5.01993	2.0177	-0.83716	1.28085	-0.69577	-3.84E-02	-3.84E-02	1.01776
2051	2	1.29678	-0.74887	2.52917	-2.6037	2.25211	0.6026	0.6026	2.39606
2051	3	3.37756	4.75519	1.65497	5.76993	1.65341	4.13525	4.13525	5.59702
2051	4	4.2222	3.5527	2.12131	2.73492	1.09537	5.16644	5.16644	2.41541
2051	5	4.70599	5.58572	-0.77155	5.02094	3.02582	4.00562	4.00562	5.02158
2051	6	5.28079	1.44241	2.83383	2.04486	2.8392	2.96323	2.96323	4.23792
2051	7	8.00015	3.27823	2.84946	0.614685	3.27368	2.8826	2.8826	4.90527
2051	8	7.09692	5.45538	3.52286	1.14429	-0.84851	4.75217	4.75217	4.71075
2051	9	8.34653	3.79526	4.33954	2.7695	-1.77643	5.64017	5.64017	2.85147
2051	10	0.316986	3.72064	4.4928	4.91409	-0.55273	5.05954	5.05954	2.67728
2051	11	3.47748	0.438232	1.08401	4.5	3.27414	3.94165	3.94165	2.17181
2051	12	3.11127	2.05652	2.30554	-1.73141	-1.27963	6.77472	6.77472	3.14282
2052	1	6.18802	4.58521	-0.65765	-0.48724	1.56165	4.4968	4.4968	2.67276
2052	2	1.42038	1.96524	-2.61053	-0.90302	1.98871	4.30261	4.30261	1.48166
2052	3	6.34586	0.693085	-2.16174	1.36624	0.422729	4.49155	4.49155	1.81912
2052	4	3.45871	2.48621	1.39E-02	-0.49905	1.37805	2.84384	2.84384	2.51822
2052	5	2.87289	5.15222	4.29495	2.36462	1.96674	3.1929	3.1929	3.23999
2052	6	1.85059	1.55942	-0.34387	0.78775	4.04129	3.39505	3.39505	1.27164
2052	7	5.11536	4.6586	1.57126	0.537567	3.12939	4.8194	4.8194	3.56329
2052	8	3.59482	5.82928	1.89746	4.26059	1.40057	2.26007	2.26007	2.40076
2052	9	6.17642	3.86575	1.62384	4.73221	0.34549	2.50089	2.50089	4.45425
2052	10	2.48428	2.50565	2.5134	1.71368	-2.05573	3.13995	3.13995	1.09167
2052	11	0.462067	3.50494	2.54199	-1.1893	0.918243	3.79767	3.79767	0.595184
2052	12	4.78027	5.1861	3.01416	4.78067	1.33984	4.67371	4.67371	0.898712
2053	1	3.37512	2.67532	1.63223	2.04883	-0.19867	2.32648	2.32648	2.29037

2053	2	3.62659	4.21362	1.75558	4.7251	-1.22391	6.07822	6.07822	1.89386
2053	3	-0.623138	3.37018	2.65057	1.59225	-3.01437	1.71436	1.71436	6.0925
2053	4	4.23032	4.4086	2.59592	-0.78137	-0.35126	3.68823	3.68823	2.08521
2053	5	2.95471	3.2272	1.81757	-0.95398	3.26871	2.1452	2.1452	0.326996
2053	6	5.62549	0.759796	3.04352	4.77304	1.866	3.77753	3.77753	3.40182
2053	7	3.86023	4.4971	5.10187	3.36908	1.05978	4.13129	4.13129	3.52487
2053	8	5.84872	1.09409	4.70206	3.37778	2.21027	4.69058	4.69058	4.74945
2053	9	6.53754	4.90555	3.97794	3.61209	-0.45941	5.74008	5.74008	4.06326
2053	10	5.72E+00	3.35904	4.48199	0.656982	3.54E-02	5.83896	5.83896	7.21896
2053	11	1.99957	5.00464	5.40149	0.609497	1.61533	2.55167	2.55167	3.9942
2053	12	3.01389	0.652618	3.45755	1.90628	2.64514	2.93552	2.93552	0.921234
2054	1	4.87024	2.30942	5.27094	4.08655	0.86203	7.0029	7.0029	6.53458
2054	2	-1.11484	3.12265	-1.18253	2.11169	-0.2381	0.532898	0.532898	5.89294
2054	3	0.261139	1.2695	-1.36615	3.98474	2.61771	-2.37326	-2.37326	4.63373
2054	4	3.57E+00	3.681	1.3717	2.11975	1.52E-02	-0.10535	-0.10535	4.70261
2054	5	4.09811	5.50101	5.92746	3.15723	2.72333	1.44382	1.44382	5.13998
2054	6	2.29489	2.15521	1.72162	4.02255	0.52121	4.64343	4.64343	4.15002
2054	7	1.10193	2.0802	4.80597	1.89847	1.07379	3.9028	3.9028	5.59778
2054	8	5.08414	4.3858	5.32266	3.8111	1.96518	3.65918	3.65918	5.22354
2054	9	7.72302	3.73184	3.64883	5.77921	4.0842	3.32666	3.32666	5.96194
2054	10	3.93921	4.37134	4.80359	4.2739	0.859772	2.84283	2.84283	4.01498
2054	11	4.18658	-1.28867	2.68051	-1.76901	1.20764	5.89505	5.89505	4.0603
2054	12	2.83566	3.1333	-0.10886	4.67349	-0.29816	5.31772	5.31772	1.67374
2055	1	3.07684	3.13492	-0.30267	4.71753	-1.73907	7.42349	7.42349	6.09427
2055	2	0.647461	2.25885	-3.76413	0.388306	-0.57111	8.4718	8.4718	11.5789
2055	3	-1.00E+00	2.10159	-0.16745	0.755341	-4.55E-02	3.50925	3.50925	3.6575
2055	4	2.1087	3.58643	-0.5481	1.32614	-0.19104	4.17853	4.17853	2.9519
2055	5	1.52951	2.72171	0.433075	3.04813	2.54111	3.94452	3.94452	4.0683
2055	6	4.07867	1.6698	2.16403	2.70114	1.90421	3.67194	3.67194	2.68204
2055	7	0.595032	2.5191	1.86469	4.32059	3.12018	4.28329	4.28329	4.12128
2055	8	3.34003	4.16827	2.58896	2.66278	3.38797	4.71216	4.71216	5.11545
2055	9	2.71243	2.22775	2.89145	3.52829	3.87708	7.82828	7.82828	4.51196
2055	10	4.37698	-0.37344	6.4957	-1.68552	2.49365	2.27664	2.27664	3.14868
2055	11	2.48358	0.552856	3.06021	5.13538	1.39413	4.08725	4.08725	3.862
2055	12	6.10306	2.8822	-0.44705	3.62769	3.09744	7.37653	7.37653	3.78052
2056	1	5.48654	-0.73688	6.31604	9.38306	4.77634	4.58929	4.58929	6.35397
2056	2	-0.319336	-0.38477	-0.92111	4.5878	-0.31479	3.612	3.612	0.343567
2056	3	1.12296	2.6265	3.53625	-0.75147	0.799225	5.70554	5.70554	3.5054
2056	4	1.5842	-3.26E-02	1.03482	0.17804	-1.93283	2.73953	2.73953	2.71771
2056	5	4.34412	4.64941	2.54306	0.956543	2.80301	3.21899	3.21899	3.6015
2056	6	4.05838	2.41122	1.25723	1.35715	0.69281	2.91025	2.91025	2.70444
2056	7	3.95786	2.41092	3.04678	1.12909	3.96799	3.85739	3.85739	2.87497
2056	8	4.16623	3.83618	3.57736	3.31088	0.875885	3.65027	3.65027	4.64664
2056	9	2.60812	0.24823	2.18616	4.53922	1.96179	5.17068	5.17068	5.94727
2056	10	4.0997	2.53784	0.643188	0.325195	-0.90002	2.60803	2.60803	7.13516
2056	11	1.22406	0.273651	1.86731	4.58618	2.84003	2.11877	2.11877	2.39429
2056	12	6.06168	1.1312	-1.14764	1.50488	-2.48584	5.75153	5.75153	2.24274

2057	1	2.73172	1.34012	7.84143	6.97763	0.881042	4.42599	4.42599	-0.70944
2057	2	1.33438	4.04272	4.12598	3.30521	0.533813	4.51752	4.51752	1.89655
2057	3	1.51715	-4.88E-02	3.10587	3.52435	1.6279	-0.37656	-0.37656	1.63211
2057	4	2.22891	2.84802	2.63123	2.01685	0.88266	3.29272	3.29272	1.71811
2057	5	2.629	2.5816	0.283478	1.20224	0.729034	5.3316	5.3316	3.1713
2057	6	5.11398	4.9751	2.88644	2.66656	-0.43561	2.13715	2.13715	2.56604
2057	7	3.91513	0.849823	4.07126	2.99927	0.456879	3.17209	3.17209	3.69189
2057	8	3.48532	3.32419	2.29294	6.97879	3.70758	4.57626	4.57626	2.89185
2057	9	4.49823	7.56454	0.900543	4.08209	1.59549	3.45956	3.45956	4.31125
2057	10	2.03629	4.79355	3.07971	1.4386	0.385376	4.89896	4.89896	5.07379
2057	11	4.18347	0.703552	3.97119	5.72318	0.974121	1.68826	1.68826	4.55301
2057	12	3.06757	3.186	0.790436	-0.51044	4.35617	6.47733	6.47733	4.99814
2058	1	2.79865	0.522522	-0.30505	4.61475	3.86713	5.6264	5.6264	6.66336
2058	2	4.92938	3.59332	2.70737	3.5415	4.38409	1.11911	1.11911	-0.10196
2058	3	1.48514	4.5061	5.84308	3.12433	1.01941	3.23645	3.23645	3.58951
2058	4	0.288422	5.63022	0.201416	1.10162	0.260345	2.30753	2.30753	4.7601
2058	5	2.3782	6.35291	1.08136	3.79114	5.06561	3.10681	3.10681	2.5166
2058	6	3.35547	5.55621	1.49933	6.13547	4.6055	2.55304	2.55304	4.04874
2058	7	4.57944	3.71323	1.26096	6.31369	4.74878	1.58258	1.58258	5.3299
2058	8	1.02423	5.91269	0.579651	2.37048	-0.81354	1.74496	1.74496	5.03595
2058	9	0.280121	7.50113	2.61163	2.19421	0.596985	5.17908	5.17908	3.70975
2058	10	4.88748	3.77765	4.11761	2.96237	3.11606	3.69434	3.69434	3.31287
2058	11	3.67096	2.65793	3.37781	0.38208	0.663818	2.34778	2.34778	6.46899
2058	12	2.82428	0.998016	1.22934	6.43378	0.272858	0.962708	0.962708	5.02573
2059	1	4.06763	3.2197	5.30725	7.45593	-2.55838	1.42249	1.42249	5.09637
2059	2	6.34E-02	3.52155	6.09549	4.72989	1.34369	7.28711	7.28711	4.81766
2059	3	-0.305054	3.7912	1.10526	6.01715	0.342926	7.62354	7.62354	4.7709
2059	4	0.175598	2.862	3.35141	4.22925	0.576447	4.04684	4.04684	0.865814
2059	5	3.29791	3.73102	2.01187	3.70053	3.09534	4.52621	4.52621	3.88388
2059	6	1.65018	4.03552	3.43802	1.21515	1.87289	2.93253	2.93253	2.95734
2059	7	4.34705	1.65292	5.15817	-0.33911	3.24557	5.0932	5.0932	2.55478
2059	8	3.34064	4.68768	3.99493	-0.10422	1.93298	4.75186	4.75186	3.73956
2059	9	4.82092	4.30313	4.38394	0.961487	0.864288	5.69788	5.69788	4.05975
2059	10	5.14288	3.85175	2.99091	0.128082	0.859375	5.33536	5.33536	2.72537
2059	11	1.22357	4.20374	3.24442	1.71088	3.96094	5.74957	5.74957	2.93579
2059	12	7.19226	2.96692	1.75015	7.07748	2.67175	1.59482	1.59482	1.41092
2060	1	7.27682	0.573608	3.71725	1.16104	2.50842	5.98639	5.98639	3.58426
2060	2	5.87277	5.24774	-2.45203	-0.7406	0.98349	5.28101	5.28101	3.63007
2060	3	5.39474	4.13049	3.43655	2.91354	0.28891	4.26926	4.26926	-0.3627
2060	4	1.61639	4.41342	2.70212	2.98163	0.587646	2.47693	2.47693	3.7113
2060	5	3.27982	3.58612	1.15637	3.45145	0.71521	2.7515	2.7515	2.82278
2060	6	1.48328	6.55032	1.11945	5.00134	0.162292	2.34283	2.34283	4.73914
2060	7	4.01535	5.84042	2.87589	5.85437	1.51578	3.67438	3.67438	4.02289
2060	8	2.99292	6.01108	2.57904	7.74268	2.70029	5.29138	5.29138	5.28244
2060	9	4.31732	-1.94125	3.53015	0.565399	4.3223	5.23398	5.23398	5.07007
2060	10	3.62601	-8.05E-02	1.22879	2.05688	1.82358	4.17245	4.17245	5.47937
2060	11	1.59558	3.40903	2.1481	3.3078	3.94812	4.72607	4.72607	3.2738

2060	12	5.92E-02	3.5	5.27255	4.04327	1.34805	3.5386	3.5386	2.18314
2061	1	4.44452	2.38461	4.55283	4.71185	-0.47348	4.21899	4.21899	4.95316
2061	2	2.74466	2.18994	-0.67923	1.21628	0.497314	4.39313	4.39313	1.70496
2061	3	2.98566	2.43008	-2.82825	1.15854	1.99722	6.58524	6.58524	3.16312
2061	4	2.20309	4.48163	0.479919	1.43335	1.63104	2.39694	2.39694	4.47513
2061	5	4.19479	5.8884	3.24167	0.612335	3.08783	3.59531	3.59531	2.73868
2061	6	2.18689	5.3399	3.64142	1.82117	1.18311	3.11752	3.11752	3.45514
2061	7	3.92654	5.19382	6.68008	3.84247	3.10779	4.8334	4.8334	4.20999
2061	8	2.61902	1.76038	4.86115	2.27979	-0.97061	3.46637	3.46637	6.05045
2061	9	4.84E+00	6.16385	3.94455	2.83899	-6.29E-02	5.48337	5.48337	6.94406
2061	10	3.51651	5.37494	1.58551	1.27448	0.296478	7.84055	7.84055	8.68799
2061	11	4.38297	3.99533	7.0372	1.32608	4.77902	3.63608	3.63608	1.3566
2061	12	1.81058	3.77621	0.223938	0.162292	3.37186	6.2182	6.2182	6.02173
2062	1	7.02753	2.83762	5.22644	2.97974	-0.27048	8.07739	8.07739	7.96857
2062	2	2.07846	3.63992	8.49548	4.4783	4.6636	-0.53818	-0.53818	5.31467
2062	3	-0.442261	3.53098	7.83057	1.98203	-0.71368	1.61865	1.61865	1.60641
2062	4	3.4903	4.82971	5.8876	5.99234	1.82065	2.49704	2.49704	6.25171
2062	5	2.55731	5.03802	2.36707	-0.92108	2.39441	2.6358	2.6358	5.33179
2062	6	3.63367	5.99631	2.95682	1.72037	1.18039	4.84375	4.84375	4.51642
2062	7	4.74075	6.07312	4.89026	3.81769	2.10999	1.25089	1.25089	4.8382
2062	8	3.51181	6.87589	5.53735	5.66327	3.69687	3.35217	3.35217	6.72244
2062	9	3.40512	4.04254	1.58514	2.03189	1.4946	3.74808	3.74808	3.95807
2062	10	6.38449	-0.68835	3.88269	0.750671	2.86246	6.97903	6.97903	4.20047
2062	11	4.78568	5.34384	6.56482	4.3443	1.43292	7.33307	7.33307	2.9772
2062	12	4.96408	5.23151	4.37573	5.01538	0.13147	4.19431	4.19431	5.79953
2063	1	5.12415	3.65472	3.18515	5.73386	4.97162	2.6442	2.6442	-0.44992
2063	2	1.48047	2.27103	6.93E-02	4.83578	1.05151	4.40082	4.40082	3.68106
2063	3	7.09E-02	2.79248	5.94196	4.45493	3.28473	4.89404	4.89404	3.3183
2063	4	2.366	2.76883	1.9256	2.01093	2.32596	2.59085	2.59085	2.67801
2063	5	0.798218	1.21841	1.68365	2.83713	1.72543	3.91281	3.91281	5.05029
2063	6	5.29028	5.7323	3.58514	2.06924	2.9895	3.96643	3.96643	3.75272
2063	7	3.80515	3.70361	4.80728	2.75568	1.91479	3.4628	3.4628	3.04099
2063	8	5.08994	2.21408	6.13434	4.5477	3.15598	4.48807	4.48807	2.38806
2063	9	4.49493	4.17273	4.62714	6.444	3.64709	3.78726	3.78726	1.10065
2063	10	4.88998	1.56656	3.62131	3.04477	3.61206	4.62714	4.62714	5.96048
2063	11	4.05356	1.81683	7.2309	0.644989	3.29153	5.21005	5.21005	3.49631
2063	12	5.62189	1.29492	3.29034	5.26187	0.497253	5.06003	5.06003	5.11502
2064	1	-0.271362	5.14481	4.41302	3.91803	0.998932	2.923	2.923	1.00378
2064	2	3.61456	2.78824	0.46579	3.3316	-1.44791	-0.89587	-0.89587	7.57516
2064	3	4.44385	3.5343	0.733978	3.12045	-1.25809	4.10583	4.10583	7.642
2064	4	4.9325	1.64963	2.31281	3.00684	-0.41065	4.60745	4.60745	3.2373
2064	5	3.33701	3.5824	4.10965	2.00653	4.44083	5.6087	5.6087	1.90378
2064	6	2.00317	1.83932	4.59134	2.79465	4.08871	2.05725	2.05725	4.43594
2064	7	-0.420868	2.27103	4.06238	2.04718	3.18658	4.45178	4.45178	5.8093
2064	8	4.50943	3.47137	4.03534	2.36377	4.31906	4.39658	4.39658	5.72147
2064	9	5.52472	5.64755	4.35916	-0.27329	-0.43091	3.35278	3.35278	5.20615
2064	10	1.44E+00	2.04333	0.867889	1.46759	-8.48E-02	4.99905	4.99905	6.29807

2064	11	1.95798	3.46133	5.0011	-1.64423	4.12024	5.87445	5.87445	4.27829
2064	12	1.52048	-2.93848	3.45483	-1.49332	1.21576	3.69962	3.69962	4.25803
2065	1	3.36444	4.49942	-0.31516	2.62164	-0.18747	3.7254	3.7254	9.80817
2065	2	-6.52E-02	1.24182	2.73969	4.56339	0.548706	7.26852	7.26852	4.82144
2065	3	2.07214	3.5679	4.04236	3.44183	2.97391	5.32895	5.32895	4.17151
2065	4	-0.139679	4.91721	-0.42078	1.96555	0.773041	3.26584	3.26584	3.73102
2065	5	1.68961	2.5325	0.878052	0.560028	1.53323	2.50632	2.50632	1.00949
2065	6	1.53717	2.93091	3.52533	4.60464	2.2706	6.74072	6.74072	3.91904
2065	7	0.318329	0.673523	3.03558	1.28387	6.2919	4.76398	4.76398	4.50427
2065	8	1.41742	0.641785	4.15985	2.1579	3.06357	2.78308	2.78308	4.75195
2065	9	2.60333	4.76746	2.76834	2.18979	2.5723	3.79428	3.79428	5.24097
2065	10	3.9043	4.62405	1.93799	4.45767	1.06787	3.43384	3.43384	5.78769
2065	11	0.679169	2.79544	2.42441	0.107971	1.55453	4.75858	4.75858	0.717194
2065	12	2.14429	2.68542	5.56384	3.32736	0.887665	2.99173	2.99173	5.41422
2066	1	5.95752	0.347504	-3.30875	6.23584	3.87573	4.51318	4.51318	3.58536
2066	2	4.76047	3.38324	0.68399	3.17749	1.1936	7.1149	7.1149	6.07E-02
2066	3	4.01245	-5.23E-02	3.10806	3.91373	2.41971	5.27133	5.27133	-5.08899
2066	4	2.43912	0.113403	4.12991	5.23013	1.47296	5.98563	5.98563	1.96753
2066	5	3.79291	-9.42E-02	3.40317	6.47644	2.65363	4.96649	4.96649	3.7117
2066	6	3.28467	2.65E-02	6.19913	4.33804	1.7063	3.07864	3.07864	3.69864
2066	7	3.26984	3.45651	7.21027	5.02777	2.13879	4.1972	4.1972	3.43478
2066	8	3.62042	4.4505	5.51364	2.62949	2.35419	3.65067	3.65067	3.90225
2066	9	4.79053	2.85855	4.71674	7.50449	4.40088	3.72278	3.72278	4.98715
2066	10	7.38651	3.48126	2.8071	0.665985	3.57907	6.51663	6.51663	7.01666
2066	11	1.78018	2.37186	0.785004	1.13098	2.30414	5.52768	5.52768	5.01151
2066	12	6.62326	2.9874	2.55365	-0.44101	3.41385	5.94211	5.94211	4.67624
2067	1	5.19034	4.3681	-0.97525	1.60513	-1.52017	7.97498	7.97498	8.18677
2067	2	5.54507	6.13E-02	2.89709	-3.0195	0.399109	10.5985	10.5985	7.06674
2067	3	1.51056	2.24319	3.81418	-0.18506	-2.63269	1.51636	1.51636	5.0325
2067	4	2.58749	4.21851	1.95932	5.76654	2.49374	2.98984	2.98984	2.03772
2067	5	2.0687	3.0238	1.52158	7.06393	1.26102	2.27002	2.27002	0.769287
2067	6	2.84576	3.8551	1.12012	1.56976	2.3414	3.99014	3.99014	2.76514
2067	7	3.14383	4.37973	3.10147	4.40659	1.30319	4.14749	4.14749	3.70209
2067	8	2.65472	3.46289	2.47104	0.457672	0.846375	6.69336	6.69336	5.72437
2067	9	5.25711	2.83264	3.95135	6.49011	0.403076	7.28989	7.28989	7.64185
2067	10	1.9472	6.41104	2.99219	2.26749	3.89386	5.83514	5.83514	8.09439
2067	11	4.23526	2.63263	3.41699	1.4635	0.647125	5.23657	5.23657	5.418
2067	12	5.96088	2.58621	3.97784	-1.53592	1.66595	2.32602	2.32602	4.21072
2068	1	5.83243	1.01962	6.31744	1.60245	1.71213	2.4942	2.4942	5.67996
2068	2	6.03146	0.731232	4.43219	-0.2504	3.9176	3.63922	3.63922	6.43835
2068	3	4.01334	0.512695	3.91086	2.30264	1.707	2.00525	2.00525	4.9357
2068	4	4.5416	1.32742	1.84991	3.86444	2.57477	5.61603	5.61603	4.98212
2068	5	1.88782	4.35931	4.63937	5.49753	2.34512	4.065	4.065	2.46878
2068	6	2.63318	3.0072	1.37082	4.03024	0.977203	2.94385	2.94385	5.07974
2068	7	4.48114	2.14862	2.69016	3.57678	4.96609	3.90079	3.90079	2.12048
2068	8	7.72021	4.61008	3.66394	4.79138	3.21469	5.10968	5.10968	5.09625
2068	9	7.55542	3.90933	2.41833	4.0918	-0.12802	6.21027	6.21027	3.73746

2068	10	2.38669	2.34146	2.00931	1.63498	3.14368	6.87836	6.87836	3.23438
2068	11	1.56586	0.893738	3.12811	-9.58E-02	2.01865	5.56186	5.56186	3.2901
2068	12	4.35068	5.7301	1.21466	-1.36032	1.53485	5.9371	5.9371	2.59604
2069	1	4.67264	4.1127	2.27325	0.315155	2.55374	6.03259	6.03259	6.95236
2069	2	6.62466	3.07184	4.04697	-1.435	-4.18549	10.8606	10.8606	0.391449
2069	3	3.50885	0.399689	3.99457	1.47913	0.17392	8.09924	8.09924	3.62183
2069	4	1.28E+00	2.85712	3.7709	-0.86307	3.88E-02	2.17535	2.17535	3.99902
2069	5	-0.238281	3.06741	1.14905	3.62183	1.21042	3.12881	3.12881	3.10757
2069	6	2.17728	0.555725	3.53094	3.71646	0.262115	4.09814	4.09814	4.64813
2069	7	2.67535	2.09631	2.75058	2.02249	1.48187	4.29709	4.29709	3.77139
2069	8	3.16571	1.1062	3.32135	3.13168	1.83908	1.68097	1.68097	4.44244
2069	9	4.45233	3.19043	3.53836	2.47641	-1.48273	4.69318	4.69318	4.71716
2069	10	3.79678	2.53406	3.09161	6.46057	1.18207	3.80225	3.80225	4.45389
2069	11	3.72336	3.18744	0.9617	7.14008	3.88544	3.13855	3.13855	5.73569
2069	12	1.62E+00	0.574799	2.26154	9.26678	-5.62E-02	4.65402	4.65402	3.35953
2070	1	4.44644	6.65891	5.56784	6.94504	0.171722	6.26099	6.26099	8.78458
2070	2	2.46088	5.11905	2.46399	5.01138	-0.29971	6.24091	6.24091	2.99686
2070	3	1.24216	-1.3031	2.01996	3.49673	0.274902	3.68335	3.68335	5.24301
2070	4	2.2926	-2.07178	3.36432	5.12363	0.652252	2.04413	2.04413	4.56561
2070	5	2.5452	5.3905	2.09616	3.46704	2.61652	2.14651	2.14651	2.77048
2070	6	4.48956	1.97852	0.584534	4.62524	3.59631	4.26163	4.26163	4.97021
2070	7	3.06793	1.6199	4.06406	3.57037	4.84747	5.5148	5.5148	4.02609
2070	8	2.50153	1.84909	3.47156	7.30777	3.79337	5.13727	5.13727	3.96225
2070	9	3.58163	-1.32465	6.74826	3.88611	-1.04272	6.90378	6.90378	5.43527
2070	10	3.92938	2.82416	2.86121	3.01819	1.71835	6.02936	6.02936	2.80518
2070	11	5.08136	0.851135	1.53281	4.10049	2.78052	3.77878	3.77878	3.22131
2070	12	4.51208	-0.93808	3.46243	8.55249	2.28564	6.24341	6.24341	4.99393
2071	1	5.79724	-1.6535	4.26904	-2.37216	-1.56638	2.71869	2.71869	9.46228
2071	2	5.06097	1.31082	-1.74493	2.5668	1.14651	6.2666	6.2666	7.20557
2071	3	0.17395	-1.5004	0.388672	0.478851	0.825104	3.55383	3.55383	6.8139
2071	4	3.55032	2.26862	3.52802	0.118225	1.84305	5.27393	5.27393	4.98312
2071	5	1.9639	1.6774	1.20078	1.58282	2.89081	3.9931	3.9931	1.58548
2071	6	3.05688	0.752716	3.19763	4.14005	3.99719	0.985138	0.985138	3.29013
2071	7	5.57114	1.819	4.00266	1.90118	0.120575	2.65308	2.65308	4.21268
2071	8	5.19583	3.25098	5.61734	3.10349	2.60446	4.63867	4.63867	5.28485
2071	9	5.09393	5.50916	5.38605	-0.46368	2.74319	5.46106	5.46106	7.25275
2071	10	4.39758	1.83704	6.22672	-0.34183	0.640869	3.59186	3.59186	6.41068
2071	11	4.38208	3.61655	3.9245	4.86029	2.28723	3.49097	3.49097	7.33331
2071	12	3.97287	0.970001	4.95206	7.10559	0.138245	3.5444	3.5444	9.19513
2072	1	3.28275	2.9458	1.61783	7.02325	3.30313	5.10178	5.10178	10.1107
2072	2	4.48196	0.649628	1.19327	1.70038	1.3515	6.70151	6.70151	6.36264
2072	3	1.62875	1.9068	3.11426	1.67825	1.42743	6.53586	6.53586	8.06992
2072	4	1.5416	4.16751	3.4812	-0.66617	3.79706	4.17383	4.17383	4.50461
2072	5	0.648499	3.60031	3.06458	4.86093	2.70782	6.82269	6.82269	5.54648
2072	6	2.76028	6.37802	3.89432	3.04987	2.0607	4.83963	4.83963	4.15234
2072	7	5.35126	7.9859	5.53448	2.98126	0.791382	3.97729	3.97729	5.97217
2072	8	3.91531	3.22028	3.57266	8.99597	1.46417	4.11707	4.11707	4.32196

2072	9	3.68552	1.16983	1.38434	4.13242	1.79037	6.26807	6.26807	0.392059
2072	10	5.66708	5.15E-02	3.34369	0.859772	3.24536	6.11395	6.11395	6.81308
2072	11	2.29416	3.23804	2.6055	2.7981	3.36893	5.58176	5.58176	4.1806
2072	12	5.94098	1.88361	4.37604	1.96759	0.656342	2.54581	2.54581	7.41113
2073	1	6.50983	3.85461	5.74783	4.18726	5.07312	1.97629	1.97629	6.86188
2073	2	7.20038	2.21814	4.01578	0.253204	3.31299	0.453613	0.453613	8.54034
2073	3	5.68445	4.50259	5.63815	-2.35846	0.206512	3.86176	3.86176	4.05862
2073	4	7.53992	5.31342	4.46841	-0.97565	2.28314	1.90735	1.90735	3.24042
2073	5	6.37271	2.07501	-0.75324	-2.13885	2.36053	4.0484	4.0484	3.1257
2073	6	4.14777	4.30292	3.41443	0.593353	2.66989	4.49683	4.49683	2.35254
2073	7	5.32675	4.50592	3.20267	1.66577	4.41089	2.793	2.793	4.14468
2073	8	5.40063	4.28558	2.94455	2.87268	2.45697	3.74026	3.74026	4.26987
2073	9	5.84692	4.77734	6.08954	-0.88931	3.02298	4.79227	4.79227	5.23996
2073	10	7.33081	6.34885	5.5614	-0.89612	3.07376	3.79495	3.79495	4.48398
2073	11	5.27307	3.41724	5.3548	2.8595	3.07794	5.49506	5.49506	4.16061
2073	12	4.32596	4.81622	2.53445	2.78146	0.362671	6.18442	6.18442	2.39291
2074	1	2.95773	4.1944	6.35464	5.52774	0.431946	5.21368	5.21368	5.49976
2074	2	0.477875	4.30392	5.48398	2.07761	2.98911	7.39081	7.39081	1.78415
2074	3	3.60165	3.96338	5.04947	-1.10626	2.78271	3.92966	3.92966	2.138
2074	4	2.509	0.347504	3.577	-0.57825	3.91257	1.63773	1.63773	4.19571
2074	5	1.55E+00	2.64423	2.11426	0.869141	1.09E-02	1.7439	1.7439	5.29059
2074	6	6.01889	0.973907	2.18222	4.17545	0.885895	2.22635	2.22635	4.71262
2074	7	4.37613	0.900909	4.93668	1.55328	0.708984	3.43719	3.43719	5.61868
2074	8	6.21854	0.527283	6.14014	3.55188	2.33627	4.80188	4.80188	5.50296
2074	9	0.563019	1.72714	3.80594	1.7597	-0.5126	3.18616	3.18616	5.87357
2074	10	3.7135	2.85336	5.36661	2.62289	0.881073	5.20834	5.20834	6.50076
2074	11	5.28738	2.67404	5.4325	0.955078	3.70905	5.97586	5.97586	4.7366
2074	12	2.89578	2.41782	3.23395	5.21536	3.32626	4.21191	4.21191	6.08484
2075	1	3.66632	1.66351	6.07913	-0.90277	2.62683	10.4736	10.4736	5.02487
2075	2	1.15637	5.61932	-0.29041	7.25E-02	2.7684	2.09671	2.09671	10.9469
2075	3	2.46655	4.63718	3.45236	2.52173	0.378601	2.20044	2.20044	5.28381
2075	4	4.0686	2.48752	2.06732	4.05975	1.71286	3.77725	3.77725	3.44632
2075	5	3.108	4.98282	1.48706	3.13083	0.868225	2.82642	2.82642	4.95029
2075	6	3.08328	7.03992	-0.30066	2.18054	1.7543	3.90634	3.90634	3.47812
2075	7	3.26184	2.53003	2.13586	1.72949	2.0842	5.02969	5.02969	5.00867
2075	8	7.46783	5.95209	4.56213	3.48718	0.144867	6.71237	6.71237	6.42264
2075	9	6.01242	5.18594	5.35403	3.2796	-0.69772	7.11136	7.11136	3.87537
2075	10	3.6283	1.93274	8.42349	1.96957	1.53998	4.39804	4.39804	4.98349
2075	11	2.38736	1.73074	1.92502	-0.75241	-1.01605	2.48306	2.48306	5.314
2075	12	3.40158	2.13211	4.96765	9.46408	-1.98953	6.57883	6.57883	4.48502
2076	1	5.63934	4.34641	5.14774	-1.46E-03	-0.27716	6.53439	6.53439	8.38528
2076	2	2.59756	4.94293	1.16708	-3.3898	1.7114	-0.7695	-0.7695	9.36127
2076	3	1.26846	1.70169	1.82996	-4.81E-02	-0.11948	4.52884	4.52884	1.87482
2076	4	1.92062	0.768829	2.34332	0.139648	2.91437	4.56973	4.56973	3.00351
2076	5	3.2244	3.7738	3.22067	0.800629	3.32843	2.83029	2.83029	2.2854
2076	6	5.72519	2.32962	1.79013	3.85425	1.7276	3.17044	3.17044	4.39404
2076	7	4.61603	2.82462	4.52176	1.78217	4.6752	5.24698	5.24698	5.35529

2076	8	3.78821	2.22849	5.46475	3.2316	3.59198	4.86038	4.86038	2.64966
2076	9	4.61902	5.43533	4.12875	3.63159	0.407288	5.74158	5.74158	3.17847
2076	10	4.2612	0.292358	4.14072	0.170288	2.84647	3.87415	3.87415	7.06818
2076	11	2.78006	2.98755	2.8338	1.3349	4.19522	4.66586	4.66586	1.81119
2076	12	3.77206	1.00031	4.93555	3.95459	3.80396	6.05823	6.05823	7.51251
2077	1	7.36423	1.60291	2.14365	5.40625	7.79614	4.96759	4.96759	5.39578
2077	2	4.38129	2.09213	1.96387	4.87439	6.4075	7.845	7.845	3.85785
2077	3	2.34784	0.763092	6.07108	1.46884	3.03961	6.05356	6.05356	3.11691
2077	4	3.26572	2.3963	2.6933	2.50095	1.23337	2.99683	2.99683	6.97791
2077	5	1.0509	2.2316	2.09317	4.30624	2.85721	4.92392	4.92392	3.80569
2077	6	3.10458	2.9425	2.83182	5.58237	2.48349	4.99933	4.99933	1.84714
2077	7	5.42743	4.91241	4.49948	2.09409	3.77628	6.05948	6.05948	2.97638
2077	8	6.06073	0.987091	7.12906	3.57999	1.63907	4.42136	4.42136	5.72437
2077	9	8.17502	6.41983	3.71594	5.7562	-0.11142	4.78888	4.78888	3.52496
2077	10	3.64621	3.68576	3.57571	5.32898	3.03906	5.16364	5.16364	4.94296
2077	11	0.477356	3.92114	5.42551	1.36288	2.22192	4.10938	4.10938	5.73251
2077	12	3.09927	-0.60111	3.96255	4.61258	-1.98825	4.84711	4.84711	5.92273
2078	1	6.13074	0.430115	5.31424	3.29056	3.47992	7.763	7.763	3.81738
2078	2	4.16788	1.11282	3.13208	3.37878	3.45361	4.2771	4.2771	2.15427
2078	3	2.87994	3.34348	-3.15753	4.20523	0.468414	5.06354	5.06354	3.2258
2078	4	3.14392	1.4299	4.4072	1.76724	2.06357	3.50534	3.50534	6.2937
2078	5	6.01242	2.37833	1.79657	0.582245	3.61203	3.62891	3.62891	5.1084
2078	6	4.32239	4.13971	2.36554	4.32864	-0.49741	4.96674	4.96674	3.12604
2078	7	7.10303	2.73093	4.31747	2.32986	2.35419	5.66519	5.66519	4.07019
2078	8	5.25122	1.08899	5.44974	6.61807	2.05917	5.57986	5.57986	5.97195
2078	9	4.05753	5.85E-02	4.22604	4.6517	3.38889	5.21317	5.21317	6.43747
2078	10	6.13278	1.22116	3.082	4.2114	1.42337	2.48856	2.48856	3.59769
2078	11	2.29407	5.02133	9.13E-02	6.63419	4.50073	3.94678	3.94678	5.99069
2078	12	1.18118	1.29642	-3.13394	1.95749	0.822357	4.3197	4.3197	2.13861
2079	1	3.13174	4.4024	-1.66565	-2.16257	2.03152	2.5253	2.5253	7.44757
2079	2	0.117279	1.27283	1.62988	1.13278	0.338501	5.2724	5.2724	2.30664
2079	3	1.36615	2.81458	1.49026	0.799438	-0.30197	3.84085	3.84085	-0.284
2079	4	2.9826	2.04791	4.15601	4.69885	0.791046	4.71674	4.71674	2.9071
2079	5	3.62289	5.32941	1.05707	0.613831	3.68933	2.90891	2.90891	2.0191
2079	6	1.71417	-0.3728	3.76913	1.68555	1.8331	2.34155	2.34155	2.93854
2079	7	5.37335	3.59802	5.65176	5.13367	4.03058	3.75858	3.75858	3.49939
2079	8	3.95712	6.33749	3.62875	2.11459	1.48688	3.37225	3.37225	4.29156
2079	9	2.85202	2.33325	4.47433	-0.9783	-0.48181	4.72559	4.72559	7.34155
2079	10	5.25198	0.334137	4.10959	1.9343	1.18576	9.33484	9.33484	2.87369
2079	11	2.34348	4.27444	8.43481	0.171173	2.94913	8.65536	8.65536	4.18701
2079	12	5.24298	3.78851	4.44904	2.85428	2.51276	5.8197	5.8197	7.01852
2080	1	4.66293	4.32162	6.71533	3.44623	0.990448	7.78629	7.78629	9.40338
2080	2	5.05426	5.42633	5.68808	2.3764	3.36789	3.87772	3.87772	8.80945
2080	3	3.41824	-0.14142	4.09897	3.08014	-2.41537	4.40256	4.40256	3.8898
2080	4	1.94852	0.353516	1.86462	0.658539	0.372559	3.86273	3.86273	4.29541
2080	5	3.87851	4.57581	2.87418	1.51614	1.45914	3.24139	3.24139	-7.50E-02
2080	6	3.34628	3.289	4.40234	2.84564	1.31259	4.16315	4.16315	4.77182

2080	7	4.20465	0.46991	4.93216	4.12317	4.98709	4.87198	4.87198	2.85458
2080	8	4.69461	0.257904	5.04803	3.33939	3.56097	2.85107	2.85107	4.39984
2080	9	0.590424	1.03183	2.84415	4.33151	3.30179	3.02756	3.02756	5.01895
2080	10	2.961	4.29684	3.27301	6.20428	0.235352	3.17496	3.17496	3.82257
2080	11	6.19366	5.11215	5.45322	5.32867	4.00623	6.29715	6.29715	3.6907
2080	12	4.16669	3.49982	4.21735	4.22208	1.97797	4.3446	4.3446	5.49792
2081	1	4.35474	5.87662	4.35513	3.35464	2.93024	-3.29422	-3.29422	6.17996
2081	2	5.53076	1.83932	3.04929	0.996185	0.598816	-1.95938	-1.95938	4.75784
2081	3	4.24744	1.95499	4.07327	1.23273	4.0379	4.66144	4.66144	2.9946
2081	4	5.4545	3.4404	5.48172	2.22925	0.513855	3.22263	3.22263	6.63821
2081	5	4.48489	3.52573	5.34216	1.59103	0.68631	3.70071	3.70071	3.57999
2081	6	4.14056	3.9736	3.80045	2.12854	3.39221	4.32874	4.32874	4.01434
2081	7	5.37585	6.31732	5.31638	3.32867	0.882385	4.30878	4.30878	3.78009
2081	8	4.87921	3.41177	5.87256	3.48389	2.88766	4.96716	4.96716	6.22495
2081	9	6.59332	0.222931	5.10376	6.07291	2.28427	4.52426	4.52426	4.33005
2081	10	3.60721	1.12634	7.49951	1.73837	2.30215	7.16425	7.16425	4.22968
2081	11	1.51178	3.83124	2.9946	8.79E-02	2.76285	3.94098	3.94098	2.9758
2081	12	2.73987	1.43942	5.34906	0.192383	2.33145	5.40201	5.40201	6.16733
2082	1	5.17633	4.81641	4.15735	7.22064	1.47443	5.9455	5.9455	5.81998
2082	2	6.18948	-0.88757	3.05289	1.7858	-1.74631	10.4351	10.4351	3.91766
2082	3	0.224854	4.0835	3.04675	0.781738	2.49411	6.87946	6.87946	6.4321
2082	4	1.74542	2.7742	3.16422	1.89694	2.10226	2.29443	2.29443	3.41171
2082	5	5.62881	1.9252	1.61026	2.43073	-0.38696	4.97852	4.97852	5.20908
2082	6	4.55908	4.53491	3.86804	3.51096	0.658112	4.83224	4.83224	1.99884
2082	7	3.68665	3.48511	4.91046	3.99808	3.47897	5.50998	5.50998	4.64227
2082	8	4.30E+00	3.93039	5.93304	1.00177	6.17E-02	5.56757	5.56757	4.74066
2082	9	6.22751	4.32733	6.13086	5.69821	-1.04211	6.44626	6.44626	7.47015
2082	10	4.59039	5.51755	2.74469	-0.5704	2.17505	5.79425	5.79425	5.47339
2082	11	3.82147	2.92914	4.17749	1.35068	0.381836	2.08267	2.08267	4.42651
2082	12	6.17249	1.9834	1.50455	6.12177	0.208466	6.31482	6.31482	5.08603
2083	1	3.47812	6.24011	1.18304	4.32245	0.503235	-0.77042	-0.77042	8.00626
2083	2	2.42886	5.18884	6.00497	-0.1214	-3.29568	3.65161	3.65161	4.46234
2083	3	3.11343	1.45798	2.60037	-2.57285	0.207703	2.79663	2.79663	1.56122
2083	4	4.33212	1.04593	-0.1044	-2.16977	1.20825	2.42075	2.42075	1.24521
2083	5	2.43781	4.63211	2.18558	1.34012	0.963531	3.66629	3.66629	2.63589
2083	6	3.69449	6.7254	2.53323	2.63095	-0.36749	4.37943	4.37943	3.80112
2083	7	4.72504	6.29202	4.52686	3.23157	0.185883	4.4296	4.4296	5.09518
2083	8	6.48273	7.76318	4.64084	2.32788	1.23718	3.76398	3.76398	4.84656
2083	9	4.59753	0.422241	5.75946	3.56631	1.94308	4.90387	4.90387	3.38766
2083	10	5.3566	0.522034	4.83191	2.93979	1.35577	3.21133	3.21133	4.28967
2083	11	5.46878	3.01364	5.38391	2.27737	2.71814	3.21606	3.21606	1.8743
2083	12	5.64148	2.5665	5.34274	6.59106	5.86026	3.39423	3.39423	1.52371
2084	1	5.22104	1.23721	3.34534	4.83673	3.00894	3.28278	3.28278	3.47116
2084	2	3.35446	3.13443	1.19098	-1.68512	3.10971	1.75351	1.75351	5.10394
2084	3	2.43384	4.34009	2.86E-02	2.64062	2.2395	2.02243	2.02243	4.862
2084	4	3.55212	1.80121	2.5918	2.86505	1.15695	5.03445	5.03445	2.52722
2084	5	3.93311	4.2345	2.02066	4.16562	2.08472	3.96011	3.96011	4.25278

2084	6	6.10E+00	0.578003	2.08743	3.75436	-9.89E-02	4.43234	4.43234	3.66434
2084	7	5.88135	2.44431	4.47287	2.31888	2.29218	4.25519	4.25519	2.02597
2084	8	6.14774	3.37039	7.14703	4.98209	2.47568	5.65027	5.65027	6.16934
2084	9	6.67871	1.54483	6.05295	2.5321	0.591888	4.59418	4.59418	6.54465
2084	10	5.42218	2.63736	0.545593	1.07269	2.57605	5.12274	5.12274	7.30237
2084	11	6.36148	5.21954	5.01981	2.10977	1.18124	4.69186	4.69186	5.21548
2084	12	3.39966	3.16962	5.90396	6.62238	3.29745	0.745422	0.745422	2.25812
2085	1	7.14514	4.48441	3.41403	4.46234	3.92795	7.54019	7.54019	5.20267
2085	2	3.58807	4.72784	-0.65051	0.980804	3.81299	10.3186	10.3186	0.653961
2085	3	9.19E-02	2.89749	1.95157	3.25894	3.55081	3.55563	3.55563	5.03281
2085	4	3.11441	4.9342	3.31842	0.344635	2.99347	1.22363	1.22363	3.18002
2085	5	1.96661	5.70691	2.33127	2.51413	0.984009	3.05811	3.05811	2.67169
2085	6	3.24347	3.12451	2.69785	4.68985	3.03119	5.35373	5.35373	3.60544
2085	7	5.35886	0.610016	5.24997	0.545685	2.07959	7.76639	7.76639	3.82257
2085	8	9.75433	3.48938	3.12054	6.7132	0.29007	2.98495	2.98495	4.56836
2085	9	4.01172	2.91235	5.24225	8.3418	-0.47372	3.42517	3.42517	4.58707
2085	10	5.21671	5.39664	0.124298	-1.13	2.45328	2.31775	2.31775	7.80899
2085	11	3.07428	4.48355	4.85281	4.30807	2.67145	2.34348	2.34348	6.11359
2085	12	4.84048	0.614899	5.26724	3.70209	1.11746	6.75912	6.75912	3.06342
2086	1	2.08694	2.78131	5.58444	3.44275	3.26352	6.4194	6.4194	3.84406
2086	2	1.74557	2.64304	1.24319	5.65268	5.06491	6.89502	6.89502	5.75946
2086	3	2.23666	4.67639	1.63116	4.03195	1.15051	2.59634	2.59634	5.3248
2086	4	2.73721	4.30511	0.441406	1.31653	-0.59464	2.91794	2.91794	3.57922
2086	5	3.6713	5.16751	-0.25732	5.12204	1.21793	3.79352	3.79352	4.81149
2086	6	4.58517	0.340302	2.52744	1.82755	-0.65891	2.92764	2.92764	4.74344
2086	7	6.87134	4.1611	0.919769	6.50217	5.672	5.07938	5.07938	7.13797
2086	8	2.76962	3.55048	1.99155	5.76797	3.53506	4.60727	4.60727	6.45566
2086	9	6.55093	4.80054	1.41556	6.80222	1.2728	6.29169	6.29169	6.15817
2086	10	4.49969	2.28894	4.09412	2.75708	1.56586	3.78156	3.78156	6.71078
2086	11	3.05658	5.99866	2.0448	4.72668	4.64142	6.20245	6.20245	4.73129
2086	12	2.13626	2.06671	3.98184	9.19E-02	0.435455	6.02643	6.02643	5.62881
2087	1	6.01303	1.64722	3.25403	7.49564	1.38715	6.32999	6.32999	4.31836
2087	2	6.28317	2.83243	2.10919	1.47488	0.789886	7.9364	7.9364	5.08084
2087	3	3.72116	2.58319	2.71716	-2.06305	-0.1449	8.27365	8.27365	1.72531
2087	4	3.67511	5.90182	3.01392	2.93033	3.13965	5.09335	5.09335	4.77551
2087	5	1.29791	4.65253	1.04745	2.43982	1.68243	4.00821	4.00821	4.88669
2087	6	1.46768	5.72672	1.62033	6.33554	0.402618	3.72552	3.72552	3.49652
2087	7	4.07645	6.4248	3.27078	7.48407	2.67148	4.94189	4.94189	4.11548
2087	8	5.97653	6.39078	3.05624	6.46347	1.83218	6.46808	6.46808	5.57416
2087	9	4.63513	3.48636	3.06955	10.4434	4.26929	4.82736	4.82736	5.26715
2087	10	5.7926	4.79376	3.90771	-0.43411	3.63428	8.27475	8.27475	6.78409
2087	11	3.85278	3.45483	5.34781	1.89517	1.67654	6.83035	6.83035	2.94739
2087	12	5.52777	5.07141	4.81284	4.54727	0.281769	4.10321	4.10321	6.93942
2088	1	3.61453	4.211	7.99115	9.84116	2.30353	7.20328	7.20328	5.54547
2088	2	1.67139	3.49072	6.87628	4.16428	5.51559	5.26392	5.26392	1.70355
2088	3	1.89474	3.8779	7.10947	6.08414	2.25421	5.87125	5.87125	2.4902
2088	4	2.5433	4.2532	-1.37518	3.14755	2.08484	1.39093	1.39093	2.5397

2088	5	3.88812	4.86072	3.89136	5.62393	3.06702	4.25092	4.25092	2.46509
2088	6	3.83859	4.70651	6.43002	3.03885	0.403412	6.17725	6.17725	4.43942
2088	7	6.08804	5.29041	6.27036	2.09628	1.6973	6.94858	6.94858	4.5051
2088	8	6.04672	8.1344	4.13394	3.11868	2.72168	6.38147	6.38147	6.22726
2088	9	3.59073	3.89426	3.66165	3.703	3.0553	7.31989	7.31989	3.80725
2088	10	5.74991	3.32825	3.0784	3.06607	1.92215	7.24603	7.24603	4.24417
2088	11	3.07608	1.80396	1.4826	3.10339	-1.67715	8.71487	8.71487	6.16479
2088	12	2.36768	4.17941	1.02164	9.27148	-1.50995	3.37891	3.37891	7.88892
2089	1	0.132538	2.74371	-0.49307	5.44965	2.86462	-1.8548	-1.8548	3.23846
2089	2	6.87369	3.89694	5.28E-03	1.5152	6.3866	4.53012	4.53012	4.57965
2089	3	2.38583	-8.51E-02	6.03696	3.19553	2.18253	0.75116	0.75116	2.39603
2089	4	2.7482	-0.68109	2.09482	2.02713	-0.49796	4.89243	4.89243	1.00983
2089	5	1.94772	3.46771	3.51367	8.05844	2.44812	6.4212	6.4212	2.69897
2089	6	3.88077	7.2045	2.25772	4.34357	1.73669	2.85052	2.85052	3.08093
2089	7	5.68213	3.51392	4.39297	3.72607	2.54059	4.05859	4.05859	5.03879
2089	8	7.27991	3.25128	1.27536	3.26468	0.542267	6.70297	6.70297	4.49225
2089	9	7.54E+00	1.45984	1.77356	5.2879	-6.32E-03	6.37537	6.37537	7.73615
2089	10	3.26718	4.39294	4.15329	1.94867	0.965576	3.60825	3.60825	6.00769
2089	11	3.44247	3.47403	5.14819	3.23148	2.37894	5.93167	5.93167	4.82339
2089	12	4.47598	3.9122	3.33606	8.01547	-0.59503	4.00531	4.00531	4.52783
2090	1	3.48444	5.198	3.35345	10.3918	-2.09137	9.07648	9.07648	8.06226
2090	2	3.07898	2.69843	1.29349	0.112183	3.07391	9.64011	9.64011	4.66394
2090	3	1.96585	1.19919	4.10696	4.21915	0.699524	6.42184	6.42184	6.5477
2090	4	5.98911	0.665619	3.448	1.34222	0.479553	7.31055	7.31055	5.99292
2090	5	5.99472	5.83051	2.73148	5.30472	1.90323	4.23599	4.23599	4.38287
2090	6	3.53528	3.51022	4.91434	3.96097	0.276611	2.68073	2.68073	3.16394
2090	7	2.96384	3.11972	5.61728	5.90857	3.95078	4.3063	4.3063	5.33707
2090	8	4.00323	2.27118	6.49854	7.79309	4.29529	4.73126	4.73126	3.81265
2090	9	5.60022	2.37634	5.60583	4.54419	2.88568	4.64377	4.64377	4.96445
2090	10	5.08319	-0.32565	6.72491	2.87869	1.31375	5.74045	5.74045	5.11789
2090	11	3.58606	1.28314	4.97931	1.62057	0.789642	2.77847	2.77847	5.96979
2090	12	4.47537	2.89212	0.48114	-0.72333	-1.74603	6.5845	6.5845	9.41223
2091	1	6.21002	3.49969	2.59753	-0.39917	-3.80026	6.83868	6.83868	6.45386
2091	2	4.97849	5.27335	-1.88593	1.20868	4.59891	4.39722	4.39722	10.1674
2091	3	2.44925	2.53589	7.51108	2.78934	1.11801	3.45813	3.45813	2.79651
2091	4	5.50381	5.50333	6.05591	0.525024	2.62564	4.27484	4.27484	4.99472
2091	5	3.30331	5.39941	1.16415	-1.23108	0.478027	4.3168	4.3168	2.29468
2091	6	1.65198	4.74081	4.08585	4.24466	0.490692	4.29803	4.29803	5.78983
2091	7	3.55914	3.24753	4.92508	4.76376	4.11578	3.11539	3.11539	7.20547
2091	8	7.77853	2.8071	4.93115	3.71457	1.24136	6.23758	6.23758	6.09674
2091	9	6.23291	0.305359	6.13095	2.6821	-0.15323	7.45578	7.45578	4.45276
2091	10	7.1994	4.44666	5.52289	2.65308	2.30847	4.68994	4.68994	5.68698
2091	11	4.00076	5.35474	5.15341	2.64429	0.824921	7.54398	7.54398	6.14481
2091	12	2.20447	2.72861	5.33725	4.07147	4.44916	7.186	7.186	7.20291
2092	1	3.70624	5.58292	-0.99396	8.34393	5.88913	6.595	6.595	0.471558
2092	2	4.00287	4.44073	-4.74E-02	3.97629	3.8544	8.77811	8.77811	-0.18686
2092	3	2.29016	2.52158	-1.07074	-0.71387	2.59161	6.82385	6.82385	3.32831

2092	4	1.99991	7.14441	2.10651	0.698334	0.765564	4.19043	4.19043	6.26233
2092	5	6.34161	4.9613	2.39825	1.84433	4.73633	0.167511	0.167511	4.4957
2092	6	9.11078	6.08752	4.11154	3.62866	2.7847	5.13245	5.13245	5.01312
2092	7	6.70883	3.2872	3.65146	4.01917	3.04318	4.6553	4.6553	5.55557
2092	8	6.06781	0.764984	7.01996	2.59207	5.70139	5.76736	5.76736	5.44125
2092	9	3.75873	7.00885	3.57654	5.48801	1.8526	6.83527	6.83527	4.23807
2092	10	1.51459	1.72296	6.38339	5.96249	0.152161	5.11163	5.11163	6.02228
2092	11	2.71298	1.43414	-1.1991	5.5437	0.285736	4.57587	4.57587	6.8609
2092	12	6.84897	-2.42E-02	3.47824	6.93356	0.556366	1.55173	1.55173	4.91742
2093	1	4.01974	3.26202	4.89124	9.86954	3.08563	5.93118	5.93118	7.09048
2093	2	1.28427	5.56424	3.56277	1.02899	1.7467	2.4743	2.4743	8.70807
2093	3	1.07376	1.35648	5.40106	4.87244	1.66	-3.37946	-3.37946	7.37543
2093	4	2.1492	3.8208	2.30222	3.22083	0.270844	2.98514	2.98514	4.04483
2093	5	1.5441	2.07581	1.61407	2.11813	-0.31729	0.922394	0.922394	4.28418
2093	6	3.88629	4.30331	4.12613	4.52176	1.64691	4.20993	4.20993	5.72214
2093	7	3.27216	3.57993	6.31366	5.98367	1.0365	4.11789	4.11789	5.17258
2093	8	6.84082	1.00629	6.63293	5.56699	0.32077	5.17206	5.17206	6.86844
2093	9	4.88681	2.12704	4.23206	6.44849	3.49969	3.87048	3.87048	8.41846
2093	10	5.4519	0.147858	7.2941	2.05667	1.27615	6.46133	6.46133	4.69809
2093	11	3.82236	2.12006	2.55029	-0.3374	3.47522	4.51666	4.51666	3.71939
2093	12	5.71777	3.69141	4.75174	4.72617	1.79254	4.16513	4.16513	7.25113
2094	1	4.61612	1.95462	4.89304	4.96884	-2.97458	3.98648	3.98648	4.16196
2094	2	1.68079	3.22723	5.54617	-0.271	1.79819	7.30612	7.30612	6.85806
2094	3	5.46924	2.905	4.66446	1.73114	-0.34168	2.85635	2.85635	1.7092
2094	4	5.3623	5.59003	1.2818	1.23383	-0.18955	5.52725	5.52725	2.5426
2094	5	6.69202	4.24863	2.11926	2.28683	0.666931	4.97781	4.97781	3.4314
2094	6	7.80676	5.3797	5.13312	1.58905	0.982513	3.98514	3.98514	4.13403
2094	7	5.65E+00	3.83591	7.94067	2.73569	2.11E-02	6.09549	6.09549	4.65887
2094	8	3.62961	3.62558	6.08304	4.68298	2.20288	5.35806	5.35806	5.35767
2094	9	5.19742	3.72556	2.57745	6.02759	0.527191	3.90549	3.90549	6.77667
2094	10	4.23459	1.94754	5.06271	5.10178	1.32007	6.39163	6.39163	5.31018
2094	11	3.89166	5.09995	8.11319	3.98947	1.88513	6.10056	6.10056	5.43399
2094	12	5.94318	4.47311	3.71603	4.60406	3.77957	6.75693	6.75693	6.47592
2095	1	4.29883	4.61301	6.30875	-0.86307	1.49203	6.31769	6.31769	3.62897
2095	2	4.28717	4.75333	2.96097	-0.2193	-3.09381	1.23801	1.23801	3.16855
2095	3	1.73636	3.42288	6.11838	2.74503	1.55432	-0.27936	-0.27936	4.65851
2095	4	3.82492	2.21991	1.4852	4.11105	1.52356	4.58035	4.58035	3.10013
2095	5	5.79581	3.86362	1.69476	1.98734	0.863922	3.9086	3.9086	3.4902
2095	6	5.01617	3.86652	4.81424	5.54755	-0.42249	4.99554	4.99554	2.69904
2095	7	4.10544	2.0325	7.95337	3.02127	1.56058	5.3222	5.3222	4.3754
2095	8	5.17142	5.20209	5.56534	3.51379	0.257477	5.04657	5.04657	2.80954
2095	9	4.95462	5.28375	3.97543	6.48279	1.35269	5.64166	5.64166	8.19907
2095	10	6.54739	1.57916	6.7514	5.57828	0.336548	4.40485	4.40485	2.97458
2095	11	4.48978	5.88043	4.86041	6.59698	2.19904	6.43677	6.43677	6.4343
2095	12	2.05237	3.81842	2.93063	7.92288	-0.12784	3.64923	3.64923	5.21753
2096	1	1.61212	4.18472	5.54993	7.11795	-3.09027	7.57828	7.57828	5.49756
2096	2	0.637482	4.09494	-2.27E-02	3.35608	4.84351	6.22012	6.22012	9.86136

2096	3	3.95224	1.95129	1.10947	0.550934	3.31873	0.91925	0.91925	6.06592
2096	4	5.15741	2.23572	2.77371	4.53693	0.87204	3.48215	3.48215	5.13791
2096	5	5.46942	3.80301	0.477875	2.50632	2.42062	0.129211	0.129211	4.35388
2096	6	6.92E+00	2.56161	3.04352	7.01227	8.61E-02	3.69833	3.69833	7.03564
2096	7	7.20093	4.18732	1.64316	5.15918	1.65399	3.87079	3.87079	5.52539
2096	8	6.11472	0.653381	4.17294	1.47287	2.46167	4.39786	4.39786	4.55576
2096	9	8.23752	2.67465	4.41486	3.81131	-0.82941	5.60828	5.60828	6.23886
2096	10	3.99521	1.05246	3.04919	0.412079	-2.45844	4.44595	4.44595	7.06549
2096	11	2.15607	2.63416	5.5209	5.48898	2.90594	2.42465	2.42465	5.07278
2096	12	6.30508	2.6463	0.418335	5.13818	4.05396	5.16272	5.16272	9.16852
2097	1	7.49792	3.50302	1.07843	3.53204	0.628418	0.684875	0.684875	4.82437
2097	2	1.73807	2.96722	-0.11963	3.33609	2.28979	6.35632	6.35632	7.20566
2097	3	4.77036	4.7916	4.21695	5.59283	2.84583	7.04205	7.04205	5.7048
2097	4	7.4274	0.489105	2.5531	3.10684	1.79065	6.62515	6.62515	6.12213
2097	5	2.9418	2.88052	1.66046	3.97913	4.52502	4.83499	4.83499	4.91168
2097	6	4.16959	2.80832	2.20102	5.19257	5.4021	5.43253	5.43253	8.63531
2097	7	4.27643	3.83102	2.53668	3.54019	5.50247	5.0423	5.0423	8.44678
2097	8	4.40912	1.7533	4.29504	9.30878	3.65756	7.16876	7.16876	5.97495
2097	9	8.09354	-1.47824	2.13266	5.80081	3.52597	5.65146	5.65146	9.07346
2097	10	3.54639	2.81644	1.39581	5.94067	0.573761	5.64545	5.64545	4.10489
2097	11	4.21027	3.64383	5.36151	2.3024	4.25024	5.70645	5.70645	2.54019
2097	12	0.847565	3.23761	-1.17804	5.85498	1.61465	1.98032	1.98032	3.98932
2098	1	3.47214	2.6413	4.91443	6.09253	0.244537	5.29559	5.29559	6.17538
2098	2	0.392761	1.93573	3.80118	-5.57E-02	1.92981	7.35562	7.35562	6.58597
2098	3	-1.56326	0.793579	4.22318	7.06363	0.103516	6.11844	6.11844	6.3273
2098	4	3.1702	4.00763	2.8638	1.58533	2.44086	5.41843	5.41843	5.73093
2098	5	2.72021	3.6886	3.27475	3.83524	4.57782	3.88501	3.88501	4.3934
2098	6	3.35727	2.00531	6.00095	4.01605	2.77121	2.90363	2.90363	5.47693
2098	7	5.62845	5.96652	5.33508	3.75269	2.92767	4.52469	4.52469	4.65057
2098	8	4.94003	4.74338	5.69485	4.1904	1.20828	5.51517	5.51517	4.14465
2098	9	5.99701	3.40494	7.15463	5.21439	4.38248	5.92957	5.92957	7.37076
2098	10	6.60388	1.93924	5.1553	2.47449	1.30338	5.64835	5.64835	7.26257
2098	11	4.65567	3.44644	4.1015	3.92868	1.66922	3.69138	3.69138	1.3974
2098	12	3.60477	2.20331	1.22845	7.07916	3.41797	4.08072	4.08072	4.93683
2099	1	2.29074	3.73291	3.33603	8.34033	5.00745	3.20099	3.20099	6.70987
2099	2	1.90729	4.18234	7.27637	5.07919	1.8519	5.6535	5.6535	3.78336
2099	3	3.31345	3.3616	5.56137	3.89764	1.85822	4.48004	4.48004	5.2449
2099	4	2.29141	2.15302	-1.17438	2.51733	0.139252	1.87463	1.87463	7.61871
2099	5	3.15442	3.93231	2.90265	2.38803	0.262512	3.202	3.202	3.7915
2099	6	3.56216	10.0411	3.47183	5.14725	0.481689	4.35474	4.35474	3.96054
2099	7	0.890045	5.34512	4.32727	7.05289	1.94418	3.4794	3.4794	6.87927
2099	8	6.12021	5.92899	4.00925	4.97488	-2.78043	4.12967	4.12967	4.80295
2099	9	6.01773	5.64896	4.62314	7.56531	1.85138	8.32437	8.32437	4.31497
2099	10	5.52451	-0.62784	5.38751	5.14047	-2.17395	3.42584	3.42584	7.23788
2099	11	2.16968	1.60565	3.53979	-0.81921	-1.90347	5.20117	5.20117	5.2334
2099	12	6.22046	3.30682	4.63763	4.70749	3.91745	5.10022	5.10022	6.11261
2100	1	3.78354	3.51132	4.44574	3.53345		6.03918	6.03918	8.29166

2100	2	3.08847	2.94E-02	6.14807	3.89139	6.1882	6.1882	5.42505
2100	3	0.961761	1.40659	4.41367	2.64783	6.26276	6.26276	5.22791
2100	4	1.58582	4.35822	3.51251	5.38483	4.94504	4.94504	-0.3299
2100	5	2.93719	3.63593	2.91718	0.206635	3.6265	3.6265	2.35529
2100	6	4.95776	-0.8634	3.85114	2.83475	5.73175	5.73175	3.48734
2100	7	6.92004	2.49692	6.46146	2.86679	7.7579	7.7579	4.077
2100	8	8.29202	4.0965	6.40744	4.82468	4.57727	4.57727	4.22025
2100	9	5.98111	4.54193	6.45276	4.51019	8.77869	8.77869	8.68427
2100	10	5.09259	4.22534	5.23489	1.60059	5.40366	5.40366	5.91629
2100	11	4.27328	3.47183	2.8707	3.16629	7.34265	7.34265	7.28629
2100	12	3.57727	4.2623	3.20483	-1.02771	5.93832	5.93832	6.04031

8	9	10	11	12	13	14	15	16	17
CESM2	CESM2-W/	CIESM	CMCC-CM	CNRM-CM	CNRM-CM	CNRM-ESM	EC-Earth3	EC-Earth3-	FGOALS-f3
-1.52161	-0.91745	-4.87512	-3.54996	0.646912	2.74319	3.01981	-3.98743	1.96176	-0.42267
0.589142	-6.32E-02	-7.62271	-0.48999	-5.11E-02	-1.17087	6.19662	2.68314	3.00742	-5.14813
2.26608	-1.1713	-3.03812	-4.96207	-0.7432	-3.42505	2.19345	-2.73648	-1.0896	0.876282
1.40292	-2.31689	-2.0083	-3.12418	-1.90494	-3.54147	1.49002	1.69525	-4.65E-02	-0.99631
6.89E-02	-0.88394	-2.37296	-1.61334	-2.16113	-2.54208	-0.14819	0.357025	-0.87341	-0.38483
-1.22516	0.967438	-3.13608	-2.1405	-0.32388	0.199402	3.01532	-1.19681	-1.71973	-1.10602
-0.88858	3.07101	-2.5715	-2.67645	-0.44394	0.622284	3.42612	-0.99838	1.27414	0.543396
-1.24667	-1.90601	-2.70868	-3.18332	0.493622	-0.3125	1.51376	-1.57111	0.407928	-0.84866
-1.4176	-2.51471	-3.00571	-1.03116	-0.18243	-0.17377	4.17465	-2.41711	1.46872	-1.52621
-1.93375	0.755585	-0.5589	-3.06812	-0.84476	4.67E-02	-0.82462	2.01358	-0.40222	0.357361
-1.38522	-0.93622	-3.4075	-3.1438	-0.98233	-5.21484	4.98E-02	1.89279	-1.66168	0.47171
-0.77585	-1.73688	-2.39734	-0.15668	-1.9465	-3.77341	3.34131	1.54901	-1.08444	-0.32809
-2.04001	3.02756	0.47348	1.84412	-1.86798	1.96701	2.31601	0.765259	-0.76065	-8.33667
-2.79807	3.19986	6.23779	2.97702	-1.91043	1.49353	3.07822	1.62372	1.38373	-0.67175
-3.32693	1.0661	-0.33133	3.94254	-4.42477	-0.43076	2.87164	1.38211	4.38641	0.473785
-4.21176	1.58051	-3.47641	-0.88916	-3.50833	-2.77448	2.30521	-0.23325	0.765778	-0.36911
0.666199	-2.19574	-1.25696	-1.63205	-3.10013	-1.28378	1.10483	1.30533	-2.70319	-0.20993
3.27945	1.99634	-1.84839	-3.5762	-0.77747	-1.03949	-1.68738	8.27E-03	-1.11472	-1.53381
0.166229	3.85062	-2.7934	-1.46283	-2.04813	-0.45712	-0.6069	-1.36749	-3.26E-02	-0.33972
-3.78357	-0.24741	0.250916	-1.41254	-1.9968	1.48462	-7.69E-02	-0.83072	-0.57355	-1.86334
0.452393	2.26859	0.310486	-0.60635	-1.57593	-2.13669	1.98975	0.786896	-1.53128	-2.67902
-1.46075	-0.75021	-1.00421	-3.03922	-1.89264	-1.18466	-0.53851	-2.01303	0.299164	-0.22263
0.733185	0.202576	0.644012	-0.95972	-0.12274	0.181061	9.49E-03	0.405975	-2.90311	0.979034
1.69E-02	-0.69757	-0.45154	-3.06775	-6.07672	3.39252	1.46698	-1.67981	-6.47E-02	-1.79379
-1.02829	-1.03766	-2.34061	-3.60358	-3.32727	-0.29309	5.26001	7.02008	-0.91065	1.02405
2.97433	0.653442	0.226685	-5.2233	4.12067	-0.82697	2.34E-02	4.61313	1.51071	0.766968
1.84158	0.464813	-0.14441	1.25674	1.36252	3.94553	1.23715	-0.16098	0.402222	-0.25281
4.01404	1.17029	-2.43393	-0.38568	-1.61752	0.586639	0.836212	0.227356	-3.28482	-3.44812
1.13461	0.817078	-1.70566	-1.92685	-1.12564	-2.38208	1.72763	1.19531	-1.8324	-0.37231
1.96475	3.24435	-1.10568	-1.32581	-1.14056	-0.5188	0.302826	-1.20731	0.51709	-0.92893
-0.37357	0.188904	-1.68381	-1.38705	-1.05313	-1.26764	0.932404	0.56839	1.65866	-1.55E-02
1.98444	0.591583	-0.60178	-1.30682	-0.98529	-1.93091	0.542572	0.449493	0.796234	0.24054
1.13599	-0.6557	-4.70E-02	-3.26306	-1.60193	-4.16687	1.24506	8.09E-02	-2.3754	-0.30859
-0.24866	0.207794	-3.03061	-2.39331	-0.82315	0.603851	-3.18832	1.14359	0.661591	-1.51303
1.67728	1.12738	-2.94321	-0.56992	0.592865	0.560059	-0.28101	1.3082	-2.8093	0.680023
-0.59476	-1.28598	-0.32666	2.63425	-8.75781	-1.88229	0.356781	1.84351	-0.90317	-3.57401
-2.0304	-1.30685	4.76639	-2.06546	-3.90317	-2.83359	5.83221	-0.74692	0.666351	-3.67197
-3.02026	-3.12045	3.82568	-3.14789	0.55658	-0.69177	4.24542	-2.52435	0.432831	-1.90704
-3.09482	-3.38928	1.70309	-4.26797	1.77612	-1.11447	0.744843	-2.53568	0.546295	-3.27252
-2.07788	-1.03571	-2.42673	-1.82498	-0.33102	-1.18909	-2.53018	-1.35443	1.36386	-1.47372

1.74542	-0.37723	-1.51956	-1.79965	-1.03284	-0.66568	-0.71219	-3.84E-02	0.871185	-1.01263
2.38065	1.20004	-3.35837	-2.03589	0.302032	-0.77719	0.787323	-0.7366	0.38147	-2.62802
0.775726	-2.55038	-2.58459	-1.88104	0.407776	4.58E-02	1.94519	0.289703	2.59656	-9.20E-02
0.376251	-0.15863	-3.58237	-2.45212	-1.38098	-1.3613	0.693359	1.18439	1.55145	1.32294
-1.63852	-1.61292	-1.11212	-2.96738	-2.51224	-4.69128	2.22665	0.940582	-2.3241	1.599
-1.55896	-4.65771	-2.4751	-2.25491	-0.74854	-2.86346	1.95038	-0.35172	-0.59872	0.929352
-0.20383	-1.86063	1.67291	-1.47501	-4.29996	-3.66696	-0.74561	0.370178	-0.4725	-0.90619
-1.93555	-0.2096	-0.39264	1.15762	-6.13571	-0.3053	-0.1145	2.34338	-2.99097	0.450806
0.612183	-0.73254	-3.40201	-0.12787	1.43341	-0.98889	0.86261	1.35867	-5.46564	2.40594
-0.63348	-4.47943	-9.14731	-0.2836	0.329254	-3.25278	5.01483	7.25E-02	0.163727	5.08096
9.91E-02	-4.34509	3.08588	1.06253	5.6954	-1.16727	-0.93054	-2.60406	-1.42929	4.1922
-0.15509	-5.7883	1.612	-3.84048	-1.62125	-1.93167	-7.59E-02	-0.33884	-1.62564	3.11279
1.15842	0.648376	-3.01218	-0.52615	0.177277	-1.9632	1.64252	1.42142	-3.1391	-2.33981
2.69885	1.70096	-1.38608	-2.26028	0.149139	-1.0994	1.77493	-0.44513	0.203979	-1.7233
2.62854	0.908417	-1.35449	-2.27234	-0.95084	-1.73212	1.4686	0.862213	-0.33237	-1.23322
-1.13025	0.425873	-1.29248	-2.61551	0.617401	0.2854	1.75406	1.65018	-0.50555	-0.99374
-1.00391	-0.57779	-1.56601	-3.02997	0.411255	-1.93878	-0.88904	1.68149	-2.0394	1.39221
-9.33E-02	-0.59131	-2.08823	-0.27481	1.11435	0.422943	-0.19434	-1.11673	-2.91983	-1.53354
-0.28882	-4.05933	-0.29221	-3.87811	-1.33755	2.77356	-3.67499	-2.5332	0.435791	-2.37646
-2.00195	-0.6247	-6.95044	-0.48367	-0.34631	-5.52411	3.07278	2.06699	2.66135	2.9407
0.470795	-1.29443	3.29727	-1.26266	-1.09918	-1.88138	1.89081	-2.37302	6.30124	-0.59146
-1.06586	-2.32483	-0.81522	-0.52509	2.33646	-3.27908	4.99573	-3.21558	1.74033	1.94595
0.369293	0.865204	-3.4649	-1.59406	-0.21509	0.79184	3.45676	1.93E-02	1.341	0.491272
-0.67587	-4.65411	-4.0596	-2.63806	-3.45215	2.03363	0.495819	-0.95163	-2.11633	-0.53452
0.382324	0.718567	-3.61075	-0.93414	0.277771	-1.20029	-0.34479	1.37653	-2.03629	-0.62152
2.64594	1.46945	-2.45367	-0.90228	2.46362	-1.08179	-0.46216	0.617279	-1.84113	-1.52121
6.38E-02	-0.34518	-3.43399	1.36356	1.93146	0.73288	-0.9122	-2.2291	-2.58276	-5.89E-02
0.772034	-1.61331	-1.09879	-0.71823	0.924011	-0.88361	-1.49155	-1.6344	-1.52585	-0.69135
0.292694	0.187805	-0.8671	-1.04227	7.16E-02	-2.69528	-1.72464	0.432983	-1.89789	-0.38779
-1.18597	0.208069	-0.40183	-0.68442	0.467255	0.397034	2.14297	-0.22543	0.31427	1.48065
-0.75992	0.905365	0.389404	0.28241	4.05005	2.70905	-2.2692	3.86328	-2.56439	-0.70258
2.70895	-0.82999	1.49716	-2.28415	0.697174	-7.69589	1.73718	-5.20E-02	-1.88306	-2.72821
1.59628	0.955841	4.77087	-0.38657	2.24393	-2.83679	2.98331	-1.95154	-3.34845	-8.61836
-2.17828	-0.71655	-1.1488	-2.98E-02	4.51288	-3.06906	-0.29297	1.52292	2.91113	-6.56284
-1.85062	-3.98007	2.59769	-3.28027	3.86423	-0.35275	0.595459	3.12723	-0.8938	1.20789
2.31873	-3.56201	-0.24551	-3.30478	1.43915	0.644135	-8.11E-02	1.51675	-1.62683	-2.75482
-1.24298	0.294281	-1.82288	-0.77237	1.47256	-0.72519	-0.92459	0.744507	-1.38861	-2.54733
2.05066	0.941254	-1.05048	-0.59189	-1.41818	-1.05899	-7.03E-02	-0.3396	-1.95273	-1.1561
1.57013	-0.49988	-1.65771	-1.46115	-0.85092	-1.99054	3.03711	3.01E-02	-1.32184	-0.31732
1.33975	-2.41721	-0.13577	-3.34033	-6.86E-02	-1.15738	-0.81183	1.25339	-2.19836	-2.24646
-1.23251	-0.87909	-0.1955	-3.80997	0.329254	-0.77228	-1.31583	-1.65509	0.473602	-3.99E-02
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-2.91403	0.10437	-2.52921	-1.17792	-0.59924	-3.70526	-2.3165	-9.84E-02	-4.37939	-0.16888
-3.92587	-4.32367	-1.18854	-2.65607	-0.85782	-7.5499	-2.436	5.65939	-2.82837	-2.3009
-1.28052	-2.03235	3.65408	-1.33856	0.991211	-5.32761	-0.14389	1.54279	3.09686	-1.20267
-1.83047	-5.05093	2.23749	-3.1178	-1.26743	-3.70236	4.73053	0.74823	3.47153	3.74857
-4.29233	-7.62817	0.343781	-2.10876	4.90152	-6.45386	4.36435	-1.69339	1.43762	2.71399

-4.02548	-3.06531	-5.31E-02	1.64584	-0.79575	-0.98126	0.511902	-2.09305	-1.83743	0.73877
-1.2092	-0.44342	-1.78E-02	-3.27747	0.460663	-0.80399	1.02151	0.239227	-2.49719	0.178986
-7.84E-03	0.59906	-2.28668	-1.3172	-0.42886	0.267303	1.07895	0.829987	-2.80881	-1.46631
2.12103	1.74991	1.24579	-2.14734	-0.55512	-2.16522	1.85199	0.682007	-0.76267	-4.02261
-1.86285	1.46957	-2.02408	-2.44501	-1.05328	-0.32181	0.908661	-1.61951	-1.90576	-3.11703
-0.41202	-0.33011	-2.194	-3.15155	3.70474	0.802612	-0.11823	3.1821	-2.6871	-2.875
-0.65436	-2.47003	0.418182	-3.10339	2.47565	-2.02E-02	0.286865	1.18256	0.359467	-3.34543
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2.79025	-2.78879	-2.67307	1.37823	3.76538	-4.01199	3.86661	-5.37549	-3.10034	-4.53662
-0.75201	-5.16745	4.7995	2.76584	-1.06287	0.112701	-3.50259	6.68976	-3.24435	-4.59366
-3.69708	-4.49414	0.9888	4.8624	-1.93713	-4.01569	-1.86237	3.45795	-6.51697	3.39536
-6.43732	-5.19128	1.4025	2.05362	2.6181	-0.10617	0.902161	5.68002	1.72482	-1.86151
-4.69629	0.648285	-0.89322	1.79214	-0.44424	1.13104	3.59991	1.53665	-1.76074	-0.98642
-0.66269	1.21686	-1.03177	-3.30844	-1.00363	-1.5174	1.80081	-1.84E-02	-2.5293	1.9166
1.13495	0.33316	-3.32239	-3.4726	0.221619	-0.44989	0.807831	-0.96652	-1.58841	1.2247
2.15363	0.721619	-1.46939	-2.23764	-1.68414	0.27948	2.5621	-2.05728	-1.17975	-1.57361
2.53784	0.135773	-0.64017	-1.68542	-1.491	0.486816	1.84125	-1.8754	-1.07037	-0.44046
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-1.71347	0.24881	-0.88165	-0.28638	-3.89911	-3.40289	2.3822	-0.729	-2.25177	-3.0593
0.494995	-0.82275	-1.81662	2.74042	-1.88947	-1.08829	-0.6832	-3.72891	-2.12335	-0.79926
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0.156677	-0.45837	-2.20041	-1.49377	-2.02469	0.401947	5.22687	-1.91507	-5.36179	-3.70911
1.15952	0.967987	-0.75342	-0.21616	-2.42123	-1.91876	1.4292	-2.49844	-2.14453	-0.96503
0.66391	0.652374	-2.27206	-0.60495	-0.61194	2.00702	0.500824	-0.47299	-4.5126	-0.96243
1.34464	0.941559	-1.84399	-2.7525	-0.82416	0.308685	0.901642	0.457977	-3.20251	1.18408
2.10263	2.52921	-2.24069	-1.51105	-1.12164	0.258484	1.47519	-1.3407	-2.63794	2.2171
0.411926	1.55679	-1.39749	-1.69833	-2.30469	-0.12338	0.578064	-0.51471	-2.36996	-0.43826
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-2.56573	-3.44867	-1.16791	0.120239	2.23273	-2.42645	3.32587	2.83511	3.1619	-1.19931
-5.20868	0.462402	7.22E-02	2.32062	-9.57E-02	-3.30618	0.429993	1.57346	2.32248	-1.27393
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1.15094	5.46E-02	-1.12799	-0.99094	1.92261	-1.5191	0.718964	1.83029	-3.73785	0.292145
-3.39252	0.55899	-1.6282	-1.48456	2.47446	-0.27518	1.23618	-0.54831	-4.2583	0.1828
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-3.47113	2.22528	-1.4791	-0.74301	-2.77795	1.95676	2.38199	4.59857	-2.73981	-10.664
-2.10916	1.0762	1.54025	-1.64E-02	-0.8439	-5.50558	2.68649	4.12479	-2.67917	1.30078
3.49561	-2.16425	0.417877	-3.86948	-1.98428	-3.3428	-2.7052	3.44449	-4.36154	-3.30386
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2.13278	-1.03137	1.01968	-1.15808	0.298706	-3.27356	6.26157	1.99881	-1.08679	1.95837
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0.752258	1.76715	-2.77478	-0.67261	-0.92648	-2.02359	4.95093	2.14349	-2.49722	-1.92221
1.28482	2.18372	-1.07019	1.28E-02	-2.62E-02	-1.78052	3.57581	1.11859	-2.86295	-1.63412
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2.29123	2.12201	0.156738	-2.04486	-5.42853	-1.2135	2.7215	-1.27039	3.02063	0.730591
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0.409729	2.31226	-0.70441	-6.78E-02	1.70386	1.92844	-4.39297	-3.63635	-1.71289	-1.04163
2.89178	-1.86609	1.3877	-4.76978	4.36963	-4.72296	3.38446	-3.79977	4.72742	-1.84381
1.24551	-1.65771	-4.35321	-0.75107	0.900452	-0.75739	-0.4653	-2.86176	1.81738	-0.57513
0.737213	-0.28333	-4.42056	-2.02057	0.318176	-3.16	0.869812	-0.36328	-0.28861	-0.62283
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0.713531	-1.59793	-2.06458	-4.33713	0.863403	-0.40289	2.02496	-0.8804	0.594238	-2.87256
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0.165863	-2.50504	-2.9389	-0.31561	1.62436	-2.24054	3.85071	2.82397	2.34741	-2.80167
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1.91064	-1.80035	-2.43329	-1.6015	0.609741	-1.5647	1.76852	-1.5809	-3.62311	-0.47882
0.479034	-0.57718	-1.48102	-1.25446	-0.33652	-1.99374	1.4881	0.842194	-3.50934	-0.71851
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1.88242	-2.18674	-0.18686	-2.38394	-1.64972	1.29712	1.83551	2.40802	-1.75311	-2.12311
0.784851	-8.57E-02	-2.73798	-0.50171	-0.79608	-0.34741	0.630249	2.2807	-0.68903	-0.96411
-0.25577	1.03973	-2.89151	-0.88803	-0.43823	-0.31784	3.56992	2.47852	-1.81625	-2.63483
0.713226	-2.50351	-2.59387	-2.15451	1.02991	-3.40189	1.76627	1.15738	-0.98935	-1.25546
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1.27811	-0.78833	-2.70877	4.37E-02	0.411255	-0.29749	1.11951	8.89E-02	-2.31619	-0.72833
1.44275	1.65643	-2.49017	-1.03918	0.158417	-0.89441	4.23404	-0.91312	-0.66071	-0.4964
0.182434	-1.54269	-2.1181	0.787354	-2.56992	-0.71042	1.32489	-0.28549	-1.77234	-1.9382
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0.130646	2.10629	-0.8107	0.738403	-1.28906	-2.66125	-0.59982	0.92157	-1.53E-02	0.871948
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-0.24786	-1.68567	-2.61844	-2.14145	-0.64111	-5.45169	1.6731	0.561401	0.243439	1.21259
-0.8609	-3.51294	-0.90482	-2.51166	-2.99689	1.76721	5.03842	-1.85443	-0.23944	1.25952
-8.82E-02	-1.66223	0.471893	2.66992	-4.25473	-2.72519	3.13922	-3.44507	-2.18259	-6.87033
-0.78442	-3.32037	1.36328	4.83832	-2.27399	-3.73096	5.07104	-2.33237	-5.34769	-7.20871
-0.97366	0.551605	-1.40421	1.59592	-1.20703	1.28314	-0.55899	0.67926	-2.11E-02	-1.98993
-1.23468	-0.37213	-0.70105	0.375031	-2.62753	-1.25229	-1.73218	0.632721	-1.4798	1.45459
-2.67584	-0.42035	-2.40527	-0.46829	-0.93597	-0.76199	0.624634	-0.47772	-0.28311	-2.18582
0.730743	2.9053	-4.60931	-0.30414	-7.06E-02	-0.78064	2.3707	-0.771	2.11945	-1.5314
0.396332	0.586395	-4.95767	6.66E-02	-9.97E-02	-1.72681	1.44196	1.07428	-1.77695	-0.90115
-1.40082	-2.21149	-2.11261	-2.75656	-1.39474	0.705719	0.488556	1.34988	-4.36359	-0.13681
0.483734	-1.21872	-0.41132	-1.41589	-2.53635	2.28955	0.935669	-2.27353	-3.52191	2.32715
-1.50833	-2.27274	-4.84839	2.4025	1.86496	-0.79157	-0.7399	6.29E-02	-5.09891	-1.89929
-1.83795	-9.16E-02	-0.80655	-0.51535	-2.11502	-1.80179	4.18698	2.46829	-0.95706	0.604187
-1.9339	-2.33664	-4.17822	1.95874	-0.86807	1.00931	1.75381	0.849487	4.05695	2.39862
-1.40326	-2.23926	-0.47479	-0.95728	4.31485	1.67633	0.158234	1.69284	-3.33298	1.84055
-1.03E-02	1.04651	-0.30051	-3.46518	-3.73077	2.56964	-2.02475	2.54541	-3.03589	1.74609
-3.59018	-5.11E-02	-0.22553	-2.68436	-1.35233	0.154633	-1.33759	3.02496	-0.25003	0.316071
6.00E-02	-0.81552	-1.96786	-0.54565	-0.54413	1.3067	-0.96237	-0.56738	-1.55029	-0.14932
2.95584	1.44833	-2.07358	0.587891	-0.41116	9.72E-02	-0.15918	1.86719	2.09607	-0.91953
2.59222	2.42542	-1.11591	1.08716	9.17E-02	-0.20963	2.0419	0.227997	-0.22714	0.5242
-1.36676	1.32E-02	-2.53699	-0.47601	0.8526	2.39392	3.45316	1.65887	-3.73477	-0.30566
-1.33392	-1.8273	-2.05481	-2.20367	1.08585	2.19202	4.65015	4.56E-02	-0.6015	-1.88242
-3.78137	-1.89001	0.956787	1.1785	0.840057	2.17712	-1.55093	2.26166	-4.63422	-1.21344
-0.94452	-2.44574	-1.009	1.53131	-4.21643	9.89E-02	-0.7818	0.980774	0.798615	-3.50598
-1.49496	-1.87137	-2.76025	-1.28036	-0.79981	-0.78629	4.15808	2.56009	-4.20197	1.3468
0.531708	-3.89813	2.11719	-2.12756	-0.94229	0.527496	-1.2211	-1.50464	-2.59525	-0.18897
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-3.71921	1.91962	3.65457	-1.03348	-3.91238	4.07245	0.679047	4.96793	-2.77869	1.50479
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-0.7002	1.29877	-1.17548	1.25244	-0.93832	0.153717	1.48233	1.07043	2.42459	-1.27371
0.183929	-0.34314	1.15552	-0.86301	-0.92477	-1.35419	-0.59787	0.596771	-0.5751	-0.80362
0.303925	1.34042	-1.86411	-1.39786	1.88388	-0.25803	1.43979	2.42941	-1.26016	-4.99E-02
1.33463	0.299469	-0.82019	-1.07E-02	-2.17569	-0.6608	2.00287	0.910187	-1.61087	-1.41336
1.49377	-2.43549	-1.44751	1.77264	0.144745	-2.24628	1.51746	-1.09772	-2.51178	0.600494
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0.413666	-0.95743	-0.4455	-1.3114	3.68576	-1.40955	0.468994	1.52017	-2.30219	1.40323
-0.46655	1.26862	-0.81644	-2.48657	-3.40253	-3.32928	0.853088	4.16141	-4.43875	5.05658

-1.9321	-3.54193	-0.58951	-14.3477	-2.39529	-0.95938	-0.91519	-4.05042	-6.55524	4.44843
4.05E-02	-4.53104	-3.3049	-1.04758	0.609467	-2.93747	3.14053	1.03174	-3.43588	1.15414
1.57919	-5.27188	2.61417	1.91223	-3.44849	-0.73837	4.79877	-1.97678	0.818909	-2.9476
3.51E-02	-1.8671	-1.88663	-0.24268	-3.70175	-0.42609	-1.3725	-0.43094	-0.86673	1.99228
-1.20148	-1.59604	-0.99066	-1.36084	-0.74924	-1.6145	-0.29657	-0.52829	-2.79849	-2.00342
2.96E-02	1.30896	-0.99789	-1.17151	8.27E-02	-0.94971	0.539337	-1.46222	-2.95721	-3.2262
1.77872	-1.41507	-4.39E-02	-0.76065	-1.14084	-0.75153	2.3356	4.89E-02	-1.09384	-0.29932
0.410248	7.94E-02	-1.54617	-3.10413	-0.1203	0.231018	-0.18155	1.5712	-1.28677	5.25E-02
-1.87E-02	-1.24719	-1.12961	-3.40417	2.04117	-1.74487	2.56976	-0.9054	-3.94009	-0.18521
-1.30145	-0.86102	-1.4498	-1.33731	-0.54266	-1.47995	0.902374	-2.10782	-2.71793	-1.90283
0.783966	2.07587	-2.0585	-1.30731	-1.90726	0.751953	-0.66419	-1.04852	0.170013	-4.43427
-1.74805	-4.84698	2.41406	-2.29456	-5.43161	-4.94809	0.150696	-2.21249	-3.62726	-2.19351
2.0383	-0.25903	3.76068	-0.10239	-0.74548	-4.34641	2.32202	0.519165	3.28796	-1.59546
0.290527	-2.51605	1.66449	-3.01419	2.05026	-1.19067	2.66962	-0.51526	2.36172	1.27817
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1.36395	0.873688	-4.11172	-0.69382	1.36325	-3.14706	-0.36594	-1.39874	-0.98483	-3.11765
1.18106	-0.83814	-5.11969	-0.55411	1.80676	-0.38605	2.2207	6.79E-02	0.319702	-1.50378
1.73273	1.22711	-6.00635	0.891449	1.8013	-2.64609	3.77451	1.20819	-2.64975	1.2695
4.21548	-2.12103	-1.7276	-0.30988	-3.74188	-0.51801	5.64722	7.27518	-1.73026	1.35983
6.38684	-1.42496	-0.5621	0.361725	-4.80194	-6.37558	4.23093	2.45883	-1.44189	1.27307
3.00238	-0.84497	-1.19943	-0.55438	-3.88428	-0.96436	-1.02505	4.18082	0.697998	-1.43372
-1.86798	-2.87192	2.23148	-0.16779	-2.22925	1.38873	0.586121	1.04156	-2.24564	-6.45E-02
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4.02084	-1.11307	0.916718	-0.8544	-2.52588	2.06689	0.57132	0.30838	-1.0321	0.160492
8.72E-02	-0.48868	0.965485	-2.35776	-0.28003	1.24686	1.02969	-0.9202	-7.42E-02	-0.5065
0.925629	-3.16562	0.449036	-2.05234	-3.17889	1.0665	2.24084	8.48E-02	-1.34885	0.568939
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2.62891	-0.24185	5.5701	-2.01556	-6.52637	-2.32538	5.1882	0.462067	1.36026	6.73422
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0.479309	-1.25381	-3.55341	-2.60876	-2.69644	1.63641	1.73239	2.38315	0.828674	1.17938
2.7847	0.727783	-0.13617	0.544952	-1.63962	-1.65829	0.310028	0.252411	-0.51129	8.97E-03
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1.94376	-0.5286	-5.79565	-0.69318	1.90948	-4.82721	-0.19711	-1.59079	-6.09415	-3.1055
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0.442291	-2.2782	2.63449	-4.81848	-2.93808	-4.47937	0.406372	4.08841	0.908722	0.316895
2.53613	-1.86011	-2.16901	-1.40567	-0.18955	-0.91666	-1.5596	-0.70255	-1.08542	0.567871
4.1814	0.546173	-0.13437	-1.77567	0.244781	-0.58301	-0.18979	1.49643	-2.92899	-0.4808
1.65784	2.84534	0.330902	-1.1712	-0.13266	-1.62439	0.744843	0.132599	-1.58243	-2.68912
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2.32858	-2.93069	2.17E-02	-3.01196	2.43704	-1.73209	-1.68994	3.29599	-4.75958	-1.056
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1.75793	0.778503	-8.33276	-3.37225	-3.7023	2.6059	3.27859	3.59338	-3.74625	-1.5582
2.97339	0.942352	0.123291	-1.25067	-1.14508	-0.93478	0.97641	2.08438	-2.35974	-7.92438
2.43723	-0.62314	-2.34909	3.07501	-3.75262	1.07553	1.32172	-0.95847	-6.11227	-4.98193
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-4.42017	-0.35822	1.42047	-2.87366	-2.64563	0.36792	-0.77438	1.28925	0.342285	-1.97791
0.510406	0.374573	0.301727	-2.88336	-1.19034	1.31482	-2.2746	0.26413	0.100311	-2.31821
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4.47217	-5.71979	2.52228	-1.81317	-3.41718	1.43973	1.74365	1.28891	-5.7644	0.531189
0.594421	-2.1781	-7.22E-02	-1.37067	-2.43484	-3.00327	1.4772	0.714661	-0.52234	-0.70581
1.01071	3.51328	-2.20795	-1.47086	-0.30423	-0.79111	1.52341	-2.91E-02	-0.56091	-1.47171
1.44583	-0.34296	0.63092	-2.19629	-1.20557	-1.909	1.05612	-0.64481	-0.56693	0.392578
0.554932	2.03091	-0.8316	-1.93784	-1.35004	-1.85202	2.03839	1.28281	-1.98254	-0.6127
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0.733795	1.1716	-0.97781	-1.06805	-2.16974	-2.46567	0.551575	-1.28E-02	0.962006	0.349792
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-2.76669	-1.84366	5.67477	2.40454	-4.28848	2.0231	2.10132	-0.89313	-4.62604	-5.37827
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3.70239	2.5574	2.63339	-1.67758	-0.20548	-5.32095	0.223267	-0.62698	-0.52588	-1.4888
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2.672	-2.99841	-1.8537	-4.06387	-1.24344	-3.27316	2.79977	-1.69241	4.08E-02	-2.09659
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-1.07281	-3.12674	-0.9628	0.765686	-5.12445	-2.09735	0.708496	0.719391	-2.7966	-1.93777
1.25763	-1.99759	-1.43607	1.32034	-0.1387	-2.93109	-0.5911	1.71191	3.88E-02	-0.5231
6.36E-02	-0.36844	-2.621	-0.24509	-3.90747	-5.81329	0.352722	3.17487	0.626038	4.16553
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-5.01389	-1.79291	-1.78003	2.48E-02	1.65405	1.86243	0.355194	1.65414	1.41028	2.94397
-3.30447	0.911255	-3.36096	1.12265	1.07977	-1.3847	0.494324	0.370819	-0.88779	-1.20303
-2.93E-02	-1.63E-02	-1.51279	-0.93189	-0.32278	1.17871	1.41495	-0.84082	0.932068	-2.91232
-0.86658	-1.43948	-1.37469	-1.43445	-1.24243	0.567871	-1.37289	0.10321	-8.01E-02	-1.30591
-3.44885	0.737976	-2.50418	-2.20673	-0.552	-0.97458	2.16345	0.845093	-0.25617	-0.78894
-0.20441	-1.01501	-0.67432	-1.88898	2.41846	1.12372	0.158966	0.379486	-1.853	0.825012
-0.57617	-1.11234	0.864777	-2.9736	2.69516	-0.36667	0.372162	-1.49243	-2.51703	-0.87473
0.450287	2.49677	1.18161	-1.40021	1.10776	6.95E-02	1.58499	-0.76492	-0.4668	-3.19217
-0.21945	-2.96E-02	-3.38995	-2.80215	1.7489	1.7731	1.5914	2.83371	-3.30975	-8.745
-0.6355	0.425568	5.24939	-1.30038	0.315735	2.04782	0.342926	4.71338	-1.72095	-0.86487
2.45413	-2.87024	1.32809	1.22351	8.98517	-1.58847	1.78632	2.56613	2.05353	4.42065
1.65479	0.616516	-8.85E-02	-1.15506	-1.91089	-0.35315	3.19016	-0.12659	2.2478	0.68338
0.946533	4.54E-02	-1.41702	-2.33716	2.48367	0.209534	2.08762	-2.30444	-0.44022	0.689667
-1.3652	-1.47623	-3.17487	-1.74704	-1.68204	-1.25488	0.959229	-4.42E-02	-1.74789	1.40308
0.119141	-1.72665	-0.90277	-1.29041	1.92072	1.77921	2.81873	0.967072	-2.06271	-2.8024
-0.42856	0.176208	0.462402	-0.53565	1.38098	1.47858	0.783997	-1.52869	-2.61404	1.09488
-0.46787	-2.11893	-0.75449	-0.17252	1.892	0.702515	1.62326	0.589691	-0.34885	-1.34283
-1.6936	-1.82251	-1.22241	-2.20547	-1.10443	-0.13129	-2.31415	7.72E-02	-1.02878	-2.24039
-1.53775	-2.51013	-2.3201	-3.24371	0.818237	-2.64285	-6.78E-02	0.944366	-2.24393	-2.05392
-2.06494	-1.36154	-1.6781	-0.8815	-2.86154	-2.02704	-2.7381	-0.24213	-1.83099	1.43881
1.90134	-1.49088	-6.94135	-0.57385	-1.81311	-0.59641	1.5401	-1.97711	0.938232	-0.86392
0.748291	-1.43463	5.88687	-6.33E-02	-4.29947	-2.37848	4.87622	1.67297	-0.73825	2.37692
4.33554	1.84854	0.659912	-0.9036	-2.57394	-7.24869	3.57803	-1.84927	-5.36859	-5.53265
3.77878	2.55841	1.91119	2.65143	-4.74759	-3.96356	5.19894	3.20633	2.68182	0.480377
1.88522	3.4538	-1.10941	-0.34747	0.136749	-1.93839	1.1467	-2.49014	0.670074	-2.04422
0.921417	2.13467	-4.34E-02	-3.22977	1.34958	-1.97549	-0.38568	-4.67E-02	0.418304	-1.04422
1.75046	-0.25797	-1.99478	-2.33121	-0.31558	-2.96579	-0.27795	-1.71E-03	-2.31952	-2.50012
2.44504	-1.92E-02	0.379089	-1.64435	-0.59992	-0.43744	-1.46799	0.603516	-1.78976	1.71667
0.149231	0.11969	-2.26767	-3.54874	0.278625	-1.69E-02	0.117645	-1.2699	0.279449	-1.06934
2.30188	3.54361	-2.81	-1.35855	1.68735	0.158813	-3.04135	3.07E-02	-0.30631	-0.5697
-2.45126	1.68259	-3.7897	-3.16672	0.346954	-0.13068	-2.19763	-2.39813	2.30249	-0.68793
-4.19E-02	-1.42352	1.16629	-2.0607	0.23056	-0.69785	1.58121	-0.18973	-1.34729	1.50061
-0.99027	0.894806	8.39E-02	-6.53467	-1.9617	-2.17068	2.4231	0.152985	3.17935	0.413696
-0.245	-0.89563	1.2876	-4.07968	1.50812	2.5954	-1.35519	0.878174	0.477142	-4.58615
-8.17148	1.35196	-1.46039	-1.70398	-2.80344	1.38391	3.35092	-1.23758	-5.61349	0.638245
-4.63013	1.85941	-3.61792	-1.13586	-0.70309	-4.43265	2.34537	0.851135	1.33432	4.20209
1.67914	1.49399	-1.95502	1.43622	-0.35455	-3.87277	-2.17068	2.91E-02	-5.51E-02	-0.51151
3.34732	1.54037	-1.82425	-1.20825	0.37088	0.474304	-0.10489	0.419525	0.950592	-2.15753
1.60513	2.66183	-3.17087	-0.75369	-0.37106	-1.46121	-1.10E-02	-0.5939	-1.25101	-0.61771
2.72983	1.26953	-2.6525	-2.79553	-1.27014	-2.83594	1.18851	1.06839	1.77084	-1.01831
0.772552	0.798065	-1.93088	0.746979	-0.6001	-1.397	-0.90033	-1.4371	-0.63205	0.598755
0.5914	-2.811	-2.19431	-2.00528	-1.31183	-1.26328	-1.44785	-1.89749	-1.70428	1.04889

-0.51166	-2.89441	-1.34961	-1.73001	-4.43115	-2.31186	-1.62103	-0.33054	-1.76471	-0.74173
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0.167755	-0.35819	2.29324	-6.23825	-2.23651	-3.0834	0.562286	2.9931	-4.48724	-1.18872
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2.42651	-3.86523	-2.97501	-1.6488	-0.74994	2.01514	2.86203	1.67923	-3.99997	3.73306
3.13837	-0.5116	-0.854	-2.82477	-1.18918	2.96844	2.69397	1.88892	-5.14038	4.0253
0.174927	2.729	-3.01312	-0.60538	-3.69394	2.00684	-0.10419	-0.30634	-2.41412	-0.96243
0.819305	2.53476	-1.66565	4.53E-02	-1.84634	-1.18921	-0.87048	-0.20377	-1.47971	-0.47363
-0.61597	2.66876	-2.87268	-2.44479	-1.30496	-1.10532	-0.35837	-0.97223	-1.83533	0.294403
2.42593	2.0993	-0.99042	-1.54056	-1.29282	-1.11792	0.723511	-0.87109	9.88E-02	-1.47192
1.44885	-2.19901	0.688019	-1.22672	1.49072	-0.3096	-1.08783	-2.87592	-2.79877	-2.19464
1.17468	-2.67651	-0.90231	-0.92157	-2.31985	-0.35257	-1.19705	-0.73822	-0.4147	0.600891
1.59064	0.338684	-0.34311	-3.58139	-2.49026	1.64514	-1.69614	-2.55234	1.43198	-0.75842
-0.10812	0.938263	7.96E-02	-0.97	-0.85236	1.89395	0.664703	-0.5845	-2.8414	-3.50009
0.785828	3.86581	6.44464	-0.75366	-6.67261	-2.138	-1.08121	-0.30161	-5.76926	-8.2478
5.21811	3.55255	-4.8038	2.30234	-1.65826	-0.81189	-2.71948	3.58539	1.11084	-1.37366
2.79184	-1.19345	-1.1387	1.18121	-3.69745	0.380615	2.54224	-2.23108	-5.31497	-1.80133
0.579987	-2.00049	-0.16922	-1.54767	1.06491	-0.60165	1.54935	-1.30856	2.27911	-3.17551
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3.03012	-0.90878	-1.29721	-1.74905	-2.55893	-0.98712	-0.595	2.94659	-1.81244	-2.45151
2.10455	-1.08392	-0.20459	-2.26651	-0.58429	-1.23828	0.856354	1.11359	-1.26086	-2.80804
2.20947	-0.27609	-3.09982	-4.23096	1.77914	-2.19498	-8.27E-02	-0.70831	1.9129	-0.785
0.157837	0.546265	-1.99652	-2.10629	-8.15E-02	-1.53156	1.57037	2.17868	1.06287	0.878357
4.03018	-0.57382	-3.58942	-1.20221	-0.86923	-1.01996	-0.40781	-7.72E-03	-1.92249	-3.40356
0.459656	-1.65948	2.74454	-1.29196	0.816895	-5.27209	-1.53461	-2.96561	0.812836	-0.61591
3.10928	-0.22714	2.1554	-5.74387	-1.25507	-3.67419	4.5654	3.30649	-5.80206	-3.42245
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2.57819	-4.4137	-2.07031	-5.17798	0.331909	0.373627	3.93414	4.74094	-5.18149	-3.54172
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-0.64578	0.322357	-2.58926	-2.87766	2.47498	-2.06619	-1.48318	2.26233	-2.81201	-1.10883
2.61954	-0.51215	-0.27957	-1.9559	0.324432	-0.82721	1.78284	0.942291	-1.07773	-0.1629
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1.57397	-1.01132	-1.98099	0.974792	1.20584	0.759735	-3.65649	3.43878	-0.66861	-3.16788
3.64203	-6.35797	-3.30505	1.73312	2.43399	-0.45468	1.4382	1.207	2.86414	-4.21222
1.0394	-3.99405	2.9274	-1.99908	-0.45288	-2.35138	3.59421	-2.53561	-3.21536	-1.79886
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1.53403	-0.57367	0.468201	-4.59534	-1.07742	0.710968	1.28992	1.74561	6.79E-02	-1.99362
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0.951904	-0.55963	-0.97635	0.459442	-0.16495	-0.23898	0.630005	-0.39868	-3.26001	-1.31363
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2.65674	-1.16632	-1.64859	-4.78702	-1.82889	-1.8869	1.05386	0.112396	-1.86926	1.24426
1.6666	-0.4754	-2.6832	-2.82965	0.39505	-1.39026	1.38455	-2.88681	-2.3269	-2.05249
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2.33017	-1.73062	-1.38821	-0.59412	-0.42813	1.03656	2.25699	-3.27002	-3.54138	-5.73129
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1.19452	-2.15823	-3.54089	-6.25308	0.475677	1.42273	1.40152	-4.03217	-4.75607	2.40915
1.66229	-4.11407	-4.36502	-2.96597	-1.21359	-5.46146	2.01895	4.15521	-0.97	-2.41962
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1.48544	-0.56079	-3.23071	-0.48843	1.06E-02	-0.66711	-0.56659	2.42889	-0.94186	-0.9454
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-3.94183	1.01517	-1.7222	-1.37521	-2.52133	0.29834	-3.29221	1.29608	-1.15768	-0.89249
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0.483002	2.90588	-0.48407	-1.38425	-0.27664	0.365021	-0.29529	0.157715	-1.28241	-4.87833
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0.653625	-7.17E-02	-2.48486	-2.16681	0.319	1.091	1.04227	1.6395	-0.84168	-1.95175
-0.45841	-3.99911	-1.96292	-1.92175	1.30734	1.89334	-0.24283	-3.05811	-3.11411	0.284485
-3.86627	-2.43002	-5.71E-03	-0.18411	-1.72903	1.81982	-0.44473	-0.57883	-0.32443	0.187469
2.30508	-0.55103	-2.94739	-0.5621	-0.58035	0.778748	-1.095	0.879578	-2.6701	0.240234
1.20135	-1.38977	0.363861	-2.29507	-4.00092	1.21042	-1.12741	-0.7814	-3.40915	-3.65561
3.2756	-0.65476	2.58908	0.445923	-3.33939	-2.0069	-1.27948	2.19986	2.19315	-0.71066
0.209839	0.778748	1.396	-2.5087	2.17667	-3.96637	2.59824	3.45013	1.02521	2.92987
-9.20E-02	-2.62628	0.306396	0.275635	1.71423	-2.45486	3.32327	-0.59357	2.14102	4.51419
1.25821	-4.28882	2.88507	1.28503	-0.69083	-2.29816	-0.4129	0.914948	0.375671	-0.70642
-0.13229	-0.69122	-1.40155	1.75015	-0.53354	-1.53339	0.44281	1.78973	-1.82251	-1.96503
2.62753	1.36734	-1.22589	-1.54471	-1.39578	-1.4335	-0.54486	0.399475	-0.96063	-2.47012
1.41354	0.399811	-1.80429	-1.52295	-1.70642	-1.11163	-0.1113	1.08499	1.78314	-1.82751
0.811737	-0.96243	-1.42188	-1.39731	-1.95309	-1.67538	-1.09274	0.686096	-0.34256	0.442535
-2.16733	-0.8212	-2.98962	-1.73596	1.07275	-0.58948	0.439453	-0.36191	0.199005	-2.20581
-0.93958	0.135773	-0.68152	1.0592	0.129456	0.781128	-2.78122	-1.18442	-2.58E-02	-2.04944
2.58289	1.30206	1.54541	0.777191	3.64346	-2.92914	0.424896	-1.09991	0.230408	-2.30746
1.58255	-2.3631	1.40656	-2.04977	-4.18271	-1.77051	2.4621	-1.51361	-1.94925	-0.9577
2.57611	-2.33133	6.56229	-5.09286	-5.68018	-0.4678	2.85062	-3.29254	-3.33734	-3.39355
1.96262	-4.44434	3.11801	4.33032	-7.29245	-2.65576	-0.29157	-0.64496	-3.97659	2.54684
0.97998	-2.88318	1.97968	-3.61896	-2.41357	1.75995	-0.61356	5.62213	2.93182	1.74689
-2.88629	-2.81909	-0.58362	-1.66046	-1.66425	-2.35806	-1.89371	1.52817	-0.78073	-0.14822
-1.01398	1.14896	-4.25787	-1.34225	-1.28064	-1.94339	-0.37729	0.580933	-1.0145	-2.18393
1.62906	1.02994	-2.82217	-0.56311	0.156921	-0.65411	2.35425	1.60678	-0.43543	-1.51511
1.17072	-0.77759	-1.22601	-0.90793	-0.78314	-0.76804	-0.30539	1.58679	-0.37146	-1.00201
-0.78165	0.332886	-0.76047	-3.32141	2.05E-02	0.488495	2.08356	0.973083	-2.40195	-0.52344
-0.77701	-1.85419	-0.6987	-3.77426	-2.36905	-2.77487	-1.30194	-3.991	-0.64951	1.4462
-2.11017	-1.51102	-1.1225	-1.9686	2.10474	0.133148	-0.87882	-4.02292	1.49597	2.07336
0.936676	-1.09302	-2.40701	-1.69931	-3.36734	-1.84326	0.509003	-1.81183	-0.55728	-2.81638
-1.44907	1.46921	-2.19727	-1.34146	-5.08932	-2.289	1.39218	2.6546	3.21945	-3.043
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-0.35107	0.202271	1.89801	4.7854	-5.13733	-2.79117	1.43863	-6.31396	-1.94717	-2.83414
2.44788	-0.95978	3.85867	-3.94177	-9.13E-02	-1.40347	-1.18414	4.86761	3.11252	-3.81741
-1.35489	4.1489	-1.61301	-3.39038	-2.50964	1.24042	-4.12408	3.00024	1.02756	-4.81671
-0.75778	1.17477	-2.90326	-0.28177	1.63568	-2.8808	-1.6012	0.934509	-0.60419	-2.73093
3.50E-02	-0.34805	-2.58029	-2.57581	1.98492	-2.32181	-0.14505	1.24628	-1.47443	-6.42E-02
1.09521	-0.93918	-3.42819	-2.59634	1.59427	0.579681	-0.1257	2.88089	-1.01157	-0.1586
0.414734	-2.35571	-2.14389	-4.01813	0.707703	2.9202	-0.91443	-0.93073	-3.25858	-4.22E-02
-0.22443	-0.4632	-3.0968	-3.39166	3.96194	1.90802	0.523773	-2.11292	-1.82538	-1.26849
-1.19305	1.93427	9.41E-02	-3.36362	1.29065	-1.25677	-2.81354	-0.83154	-0.75702	-0.18723
0.200867	0.877655	-1.66312	0.215607	-0.75024	-0.71045	3.81821	1.12918	-1.4281	-4.06369
1.92914	0.12323	2.73544	-1.30307	-6.20963	-1.71539	2.8653	-8.33179	9.14E-02	-2.3562
1.10309	-3.76843	-1.9801	-0.78137	-4.34659	-6.6105	-0.11929	-4.26883	-3.55624	-1.43567
-5.50656	-2.22433	-1.7016	-0.608	1.19815	-1.22278	-2.43716	-2.20135	-1.78998	-3.99863
1.91599	0.900421	-1.30533	0.670746	-0.40729	3.24954	2.58585	-1.07257	5.12601	1.16107
2.37851	-9.19E-02	1.12448	-1.85678	-1.46484	1.48682	-0.44058	-2.58334	-2.59802	-2.65173
-0.90488	-0.71152	-2.64905	-3.53485	-0.48434	-0.80991	0.601318	0.206329	-0.88141	-2.08752
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1.47003	2.55051	-0.11142	-2.33716	-0.49042	-0.31744	2.3428	0.435516	-1.38126	-0.3157
-0.50195	0.766876	-0.25617	-1.74982	-2.27798	2.2655	8.31E-02	-0.66202	-1.14056	-0.58975
-1.9696	-0.80411	-2.96091	-1.22687	-1.88754	1.36194	0.396667	-0.25479	-0.79981	1.95581
-1.81097	-2.09161	-4.2894	-0.7063	-0.42975	0.479248	1.48767	-2.37222	-1.10242	2.24695
3.83118	-0.92584	-1.02899	-1.63309	-3.13803	-5.08E-02	0.963501	1.26968	0.953308	-3.14258
1.31964	-2.49329	-3.14624	0.618225	-4.62271	-1.55579	-6.95889	2.1402	2.66486	-4.7374
-1.98032	-3.72873	-0.96921	-1.31458	0.319336	0.9711	-0.7822	-1.37183	-2.84015	2.54184
0.353119	-2.37875	-1.6257	0.824097	-1.40094	-1.75558	2.37643	1.13583	1.66492	4.74417
-2.18881	0.722229	-2.04913	-5.36816	-4.05057	-3.47406	0.111664	4.84622	-0.27921	-1.44662
0.727112	-3.25201	-0.13062	-5.29828	0.571869	1.98672	-2.05499	3.95605	1.58328	-1.25311
-1.24908	1.26376	-2.25208	-0.82645	-0.81744	-8.93E-02	-0.27069	2.04663	-2.43011	-1.40332
2.22433	0.281433	-1.06607	-2.82239	0.328827	0.438995	0.336639	-1.37582	-2.34183	-1.42111
-0.35846	-9.79E-02	0.921509	-2.49155	-1.96063	-0.24234	-1.34851	8.40E-02	-0.72995	1.7157
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1.16165	-0.73923	-2.70221	-4.2869	-1.18265	-4.01E-02	-0.59573	2.59167	-1.88461	1.23376
-1.40094	-2.24362	-0.27411	-7.18689	-2.08005	0.962738	1.8205	-2.9122	-1.41681	0.422424
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0.589508	-1.80203	-3.94452	-1.47968	-1.28448	1.02722	-0.5491	3.90057	2.07416	-3.69406
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0.276184	-0.78809	-1.56943	-3.72748	-0.33099	8.80E-02	1.68835	5.09824	3.1488	0.482788
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0.25473	0.556732	-3.35107	-1.39951	-0.33536	-1.27042	3.37003	-0.6456	2.62897	-1.0401
1.27853	-1.10568	-1.06201	-3.22073	-1.34183	-1.39243	2.41919	-0.17441	0.615356	-1.31421
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0.7659	-2.246	1.23999	-3.36536	0.527771	-3.21817	0.489349	2.28571	0.43042	0.525085
0.793945	0.756866	0.557098	-2.5972	1.38434	-0.32385	4.19006	-2.30664	0.246765	-1.55713
2.18518	-2.43774	-0.69949	-2.0994	2.55475	5.70E-02	-0.52649	0.39978	-0.97699	-2.09149
0.506439	-2.60849	2.12546	-3.25345	-6.36462	-1.6839	-5.57919	-1.0762	3.40945	-4.8309
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1.43073	-4.70392	-2.45081	-2.07816	-1.05032	-0.92197	-0.81128	0.331543	1.70816	0.856384
1.39761	-2.73724	-2.16656	-0.52365	-1.22632	-2.6192	0.814117	0.545715	1.85339	1.92688
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0.332916	-1.6088	-0.6427	-0.47604	-1.10303	-0.32764	-1.4389	1.7955	-0.61404	-1.5466
0.675751	-1.96341	-1.02628	-1.50131	-1.72708	-1.26788	-0.74585	-1.69342	-0.48456	-1.60886
1.40887	-0.44489	-3.08441	-0.33716	-2.02884	-0.68137	1.90796	-2.47659	-2.0834	-0.7251
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1.56839	-1.88623	6.09207	-9.79767	2.14252	4.65012	-0.83658	3.17117	1.12286	0.795227
-5.32648	-7.50745	-7.8165	-3.50519	5.56006	-1.82938	0.700531	-3.43497	-5.43619	0.124451
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0.465118	1.3154	0.963593	-0.25818	0.465668	-1.74158	0.414703	-1.73096	-1.32974	-1.76172
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0.768341	-1.32797	-4.34091	0.130554	-0.32523	5.79E-02	1.2045	2.29E-03	-2.17496	0.1073
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1.23953	-0.25604	1.53003	-1.47629	-1.75848	-0.8353	1.26422	-1.74121	-0.72672	-0.35523
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2.66531	-0.28372	1.05273	-1.06305	-2.78574	-1.26401	1.05463	-0.19568	-1.85461	6.75E-02
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1.25644	-0.50949	-0.40564	-0.80917	0.524597	-1.72809	2.06711	3.9483	-1.47064	0.20108
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2.32974	-3.68353	1.96909	-9.86389	0.89505	-1.87228	1.96991	4.73724	1.00241	3.28677
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1.61102	-1.33762	-0.88425	-2.82025	-2.71432	-0.54129	-7.90E-02	-1.43799	1.20529	0.337067
-0.46756	-2.30606	-2.54327	-2.0235	-0.44556	-1.04501	0.854126	-0.94562	2.21188	1.54269
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-0.15167	7.33E-02	-2.34976	1.89624	-7.15881	-1.07809	-0.46631	2.51389	2.21823	2.6748
-1.48489	-3.45566	-2.35883	-3.62787	0.48703	1.3746	-5.9368	1.34497	0.819946	6.87E-02
-1.06107	-4.90024	-1.95581	-4.58179	2.30478	0.645325	3.74481	-1.03998	-3.44708	0.159851
-1.58682	-0.91348	-2.34692	-2.17758	-1.85938	1.02344	-0.24594	1.95691	0.220398	-0.83533
1.14142	-0.1727	-1.3233	1.27783	2.20517	9.14E-02	1.10159	0.476044	-3.40402	-0.47302

-3.06018	-0.43024	-0.52286	-1.10E-02	-2.68E-02	-0.9711	-1.71329	-1.25507	-1.4136	1.88327
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-1.65216	-1.89893	0.503113	-1.82971	0.202301	0.215302	-1.95035	-1.96201	-1.46817	-1.01025
-0.9375	-3.18231	-0.28082	-2.46268	2.72665	-1.93808	0.191376	-2.8895	1.20102	-0.5318
-0.23297	-1.27042	-0.17542	-1.25992	-1.46945	-1.03586	1.41159	-2.79352	-1.72482	1.52646
-1.41794	-2.20184	-0.4418	-2.57541	-1.54425	-1.67444	1.21481	-1.65222	-0.23969	-1.26147
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-3.99872	4.52582	-4.17093	-2.59457	2.94482	-6.75467	-2.37E-02	-1.28659	1.8681	-3.16623
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0.7612	1.02286	-1.80997	-0.71677	-0.30994	0.88092	-2.50607	-1.05447	-0.66779	0.791779
0.943359	0.952637	-1.8949	-0.79239	-0.43277	-2.64459	0.892822	0.168488	-1.53522	-1.7374
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-1.41327	0.419678	-1.04828	-2.43271	-0.27368	0.111115	-2.15054	-2.552	-2.52545	-0.77634
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0.626617	-6.53E-03	-1.32025	-3.25674	-1.44812	-0.276	0.545013	-0.41177	0.338013	1.42368
0.377258	-2.34424	-1.495	-0.61771	1.30453	-1.71429	0.593231	-2.38052	-1.53781	5.38E-02
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1.14392	-1.388	-0.52362	-2.69638	-0.87183	0.405823	-0.51489	-1.29996	1.57257	-5.88171
0.420013	6.07E-02	-1.23386	-3.30304	-0.16794	-2.68839	-0.36438	-0.86557	-1.9931	0.362671
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2.48389	1.88095	-5.21442	1.55E-02	3.94653	1.03281	-3.22208	1.63239	-3.36606	0.693329
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1.73648	-1.07907	-2.25372	1.68442	2.15042	0.427124	-2.87845	-2.79468	0.936523	1.56189
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1.78085	-1.28244	-1.97458	2.17651	1.16202	0.923096	0.850739	-2.4884	0.999695	0.456482
1.67352	1.24741	-0.36099	0.156067	-0.20822	1.81107	-0.3223	-1.061	-1.80505	-2.12912
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3.81E-02	0.188812	-0.7851	-1.93567	-2.36053	-1.57047	-0.67242	-1.78851	-1.52948	-0.85791
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1.28909	-3.49893	-3.89963	-4.07938	-0.60809	-1.7049	-3.8562	-0.26102	-1.94516	6.11893
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1.03088	-1.85245	-6.17981	-1.08987	-5.46249	0.600616	3.8631	1.54437	-1.50565	0.671539
0.44043	1.65256	3.00049	3.51932	-5.96072	3.61322	4.17593	8.52045	-1.67349	5.89865
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6.20E-02	-1.00882	0.326935	0.658051	-1.11945	-2.58899	-2.02078	0.974518	-3.4137	-2.13031
-0.42267	1.48013	-0.9296	0.473816	5.35E-02	-0.82291	-0.71545	-0.53491	-1.61621	-1.19302
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-0.72156	-1.72473	-2.06479	0.555267	-0.6142	-2.56039	1.73904	0.965302	-1.11505	-2.21094
-1.18481	0.143005	-2.65002	-1.70596	1.01825	-2.58707	0.493958	-1.2146	1.28052	-0.93121
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0.130249	0.18222	3.60034	-1.13785	0.801178	-6.19418	-0.22092	5.24811	-3.21936	-3.8876
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-1.02747	0.143341	-1.09509	-1.23938	3.17026	-6.36948	-2.52847	-1.36798	-2.46579	-7.22693
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1.02359	-0.63486	-4.18631	1.11914	-7.62357	-5.62009	1.5686	-2.75864	0.809357	-2.99738
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4.46103	-1.62885	4.67178	-6.23489	2.54758	-4.42007	0.871307	2.81143	1.93182	2.84357
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1.40103	1.6488	-4.65775	-0.63977	0.278076	-3.08929	2.86798	-0.72711	-4.02475	-2.57321
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1.24796	-0.99826	-0.6182	2.10062	0.139923	-0.8006	0.349823	6.90E-02	-1.21353	-1.3172
2.22302	-0.90909	-1.20102	-0.61014	2.66928	-5.19E-02	-0.4776	0.806793	-2.38876	-0.95313
-3.35767	-1.45221	-1.94547	-0.36124	-1.1142	-1.13019	0.300354	3.10779	-4.07156	-4.27524
9.46E-02	-2.97931	-1.18481	-0.16165	2.14764	-4.42276	-3.69E-02	0.954681	-2.04968	0.967712
-1.89365	-0.29773	-1.36691	-1.2384	-6.26E-03	-3.77106	-1.81622	-0.46903	-2.89432	0.810852
1.36017	1.63928	0.307983	-0.1283	0.361267	1.95694	-2.5535	0.206299	-2.73608	2.37772
1.96823	-0.79849	2.75424	-2.12527	3.55447	-3.97449	3.9393	2.97E-02	2.47345	-0.29111
0.913086	-4.63293	-4.44141	-5.74597	0.265228	-2.1893	-0.95099	2.57898	0.391937	3.81235
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2.18045	-0.93115	8.27E-02	-0.61319	-2.40408	-2.5199	-0.27377	-0.24973	-1.86163	-1.4617
2.57004	-3.26E-02	-0.31909	-1.00793	0.184662	-1.28214	-2.18231	0.218689	1.29636	-1.7858
-5.56E-02	-1.59421	-1.77667	-1.01083	1.216	0.995911	-2.03165	0.397888	0.930145	-0.64255
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2.10684	-0.15128	0.283936	-5.11206	-5.50082	-2.1669	-3.7579	2.2807	0.43515	0.943878
-2.0163	-1.61185	-7.20071	-1.09787	-2.81467	-3.03149	-4.1434	-3.68503	-3.29425	-3.56967
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3.44525	-2.87408	-4.34604	-7.40845	-2.79922	-0.69299	3.93179	1.3764	-1.39246	-2.0112
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2.64575	-1.03827	-1.25046	-0.98837	-2.99902	2.33072	-2.06921	3.38019	-6.14615	-2.3103
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1.11319	-4.75995	-2.85971	5.72394	0.916107	-6.09308	1.95963	-0.81894	-7.58435	4.90994
1.01294	0.89447	-0.8446	2.48672	-2.98224	1.45792	3.75381	-0.66577	-2.26187	3.78775
1.40939	1.70001	-1.56693	-0.88727	-1.25229	-3.58246	4.20935	-2.06598	-0.60068	2.49847
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-4.88E-02	-0.29843	-2.16199	-1.25613	-1.64688	-2.37808	-1.89655	3.5545	-1.46097	-1.18515
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0.631348	1.07608	-1.61243	-2.99622	-2.18716	1.03363	-0.81284	-0.34274	3.57098	-1.75763
-1.52792	0.952972	-1.06451	-1.41611	0.68985	-0.96936	-2.91721	-0.97122	-1.22171	0.342926
-0.38297	0.954315	-1.05524	-2.40347	-1.21143	-4.4483	-2.10211	-2.09091	-1.41934	1.06738
-1.79111	-1.74023	-2.85001	-4.09048	-1.42E-02	-4.2059	-1.58948	-4.25824	1.30927	-2.19476
1.03394	1.53546	4.7334	-3.47498	-1.88434	-0.63138	-1.32E-02	-5.18597	-3.48587	0.721069
-3.16711	-2.34949	5.21207	-3.11017	-1.65228	-3.64026	-8.73413	3.84372	-9.32538	1.32858
-4.54929	-0.88141	1.2475	-0.93808	0.857849	-1.21558	-1.6091	0.207062	-2.22574	-0.81903
-2.6387	0.242676	-0.43085	-2.40497	-1.93964	-0.75549	-0.93347	-0.65289	1.07791	-0.69373
-2.81717	1.34354	-1.88449	-0.84259	-0.28708	-1.66891	-1.19705	0.877289	-1.33621	-1.2337
-2.36697	-1.81168	-1.3486	0.386749	0.489777	-1.94482	-5.89E-02	1.914	-1.66855	-1.2428
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0.395386	-1.56482	-1.81921	-2.4621	-3.11633	0.712036	0.592499	0.889099	-4.89151	-6.47537
-1.12726	7.31E-02	1.15945	2.05655	-5.8667	-1.5415	0.822479	1.9343	1.48734	1.4928
-4.2717	-2.61896	-0.81821	-4.39297	-7.65228	2.79321	2.71161	0.604858	-4.40985	-0.93936
-0.95276	-2.67584	-2.62012	-4.72388	-8.60495	0.783112	-0.25168	-1.77435	3.27573	0.812744
0.190491	-3.90277	3.72107	-1.18137	-7.10449	-0.55136	1.14606	3.05212	-4.08588	0.1026
8.13E-02	1.7832	-0.70783	-1.53058	-2.12344	0.19342	2.25659	2.00827	-0.73084	2.79E-02
1.30331	0.50058	-1.63196	0.229248	1.20355	-0.56769	-8.27E-03	0.203522	-0.71909	-0.32581
1.06915	7.14E-02	-1.10388	-1.2132	-1.76926	-1.64471	-1.40128	-0.19623	-2.86642	0.932892
0.815338	-1.07269	-2.2366	-2.58524	-2.67712	-5.19E-02	0.186096	-1.71008	-0.61826	-1.1745

-0.57025	-1.04092	-1.52307	-1.99823	-0.3241	-0.6214	8.51E-02	-0.43481	9.50E-02	-2.95584
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2.41205	0.731689	0.563995	-4.48651	-5.51E-02	-1.54895	2.49237	-4.16293	-0.47571	-2.49585
3.08847	-1.21994	-2.00409	-2.47131	1.65195	-1.20294	-2.5603	3.2002	-2.51999	-0.67886
-2.50485	1.60172	2.33096	-0.81735	-2.88953	0.808289	-0.6843	-0.3989	-4.55975	-1.29062
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1.87323	3.09921	0.214935	-5.31226	-1.03693	-1.21219	1.43549	-2.67499	2.07614	0.271088
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3.27493	2.76724	3.15799	-3.88348	-2.04355	0.540222	-1.82959	-1.68237	-4.74957	2.56485
2.01938	-3.78967	0.448669	-4.00296	-1.06897	-2.16537	1.93027	0.308136	0.359222	-2.93472
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0.387329	-0.72437	-3.22787	-1.17371	-1.68478	-0.5629	-1.12897	-0.98032	1.38797	-1.16891
0.242432	1.02902	-4.33112	1.99225	0.154266	-1.93942	0.484802	-0.45291	2.46594	0.642395
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-1.49957	1.38388	1.77969	1.26471	-2.53375	-2.17035	0.924469	-1.90283	0.881989	0.899353
0.687775	0.908661	1.8999	0.844604	0.10437	1.32834	-2.81271	-4.63272	-8.28E-02	1.90302
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0.330383	-3.495	3.20758	0.321228	-4.63428	5.71173	1.64505	2.96503	-2.8028	4.22598
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0.509644	0.445221	-0.5416	0.275146	-0.99643	-1.56482	-0.76679	0.612518	-0.47037	-0.6485
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2.49368	0.264526	-0.41611	-5.37598	-1.53427	-6.33115	1.08185	-1.84857	-9.07938	-2.08591
3.98462	-1.65579	1.09769	-0.59757	-1.98853	-1.29776	2.5788	-0.84354	-4.65363	-3.12033
0.369415	0.560669	-0.42206	0.203156	-0.24994	-0.10169	0.747131	-0.23029	-0.60471	-0.49603
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0.64682	1.06821	-1.69931	1.00076	-0.85364	-1.59402	0.362488	-1.85251	-2.63806	0.265594
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3.49933	1.19098	-1.27582	-1.02029	-1.32916	-0.32257	-2.53802	-0.50983	-1.17111	-2.01035
0.970367	0.63916	0.656311	-1.66141	0.827667	-1.59665	0.270508	-1.74902	3.03772	-4.83377
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0.643036	-2.47589	-3.55594	-0.59317	2.35287	-1.3121	1.9595	-7.0676	-1.76175	0.213104
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0.890167	-1.48007	-1.05103	-1.05386	2.86243	-8.16147	3.43747	1.85544	9.69E-02	2.49597
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1.59775	-0.41141	-1.77957	-2.93463	0.155304	-2.1853	0.30365	-2.28622	-0.33637	-2.34665
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0.560181	-1.74753	-2.15192	-3.00632	2.39746	-2.57526	-1.33481	1.89639	-1.51401	0.518036
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0.645935	0.989288	-0.83032	0.881531	2.06366	-2.42838	0.83551	2.99774	1.99097	0.475983
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2.35E-02	-1.7641	-1.87872	-2.43906	-1.18045	-3.59659	-3.63165	-0.9389	-5.00708	1.33371
2.02795	1.73599	-3.79791	-0.92859	0.181946	-2.68777	-1.57892	-0.16242	0.328583	-3.38785
-1.28442	-2.06635	-1.108	-3.95639	-0.94885	1.79803	-0.6506	0.970673	-1.12338	-1.07626
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0.947388	-1.90906	7.24377	1.95853	-0.94089	-3.75369	-6.19E-02	-1.46414	-5.09695	-2.29196
-2.20438	-3.58914	9.68579	1.49771	-4.73523	-2.53268	-0.60318	-5.96347	1.9826	-0.94623
-2.80032	-4.27289	1.53769	-2.18637	0.521118	0.175232	2.67386	-2.81058	1.5687	-0.49741
0.600616	0.413696	-1.98511	-0.32767	-0.70993	-2.54376	-0.4386	-5.71255	2.69507	-0.86462
-0.2345	-0.37082	0.568634	1.08655	0.511078	-0.3902	-0.42148	-2.13116	-0.2421	-1.02722
1.91043	-1.40475	-0.35178	7.80E-02	-0.11588	-1.5538	-1.24146	-1.56381	0.815094	-2.13492
-0.87598	-1.05377	-1.9761	-0.48233	-1.15454	1.53E-02	-1.8634	0.210297	0.723145	-2.68762
-1.89835	-2.34152	-2.67538	-1.34442	-2.29248	-1.91019	-0.89716	-0.36121	-1.70456	-0.55304
-4.00632	4.43E-02	-3.99402	-4.19067	-0.13965	0.664917	-1.63174	0.55658	0.377594	0.685913
-5.65466	0.809875	-4.0394	-0.48792	-0.39456	1.31863	-5.18301	1.88556	0.283691	-0.79294
-0.82654	1.70108	-3.22	0.604584	1.23276	2.32635	-8.2424	0.21048	9.46E-02	-0.88767
-0.12015	2.9277	-1.04675	-5.80386	1.91718	-3.21921	-1.82312	0.280884	-0.49695	-2.03101
-0.83209	-1.45413	-4.24731	-10.8931	2.20221	-4.1745	-0.99847	-2.48764	-0.32956	-3.63565
-1.83896	-2.19244	-0.42902	-4.8494	-4.44034	-4.04068	0.629517	-4.15308	0.875732	1.51266
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-3.38147	-1.49319	-1.27472	1.54654	-2.63275	-1.15536	0.173004	-1.91486	1.51208	1.37637
2.86E-02	-0.61993	0.267426	-0.50726	-1.41623	-1.1058	-2.10968	-0.53037	0.431488	-1.21283
0.417847	-1.49207	-2.95398	-0.3252	-1.08966	-2.043	-1.12045	0.520782	-2.39072	-1.2796
-1.07867	-1.59869	-3.11301	-0.54413	-1.10904	-1.77933	-1.4653	-1.1897	-1.60275	-0.8851
-1.93277	-4.30911	-1.75717	0.635162	-0.77268	-1.5274	-2.43335	-0.9324	0.167847	5.91E-02
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0.564331	-2.00793	-4.35773	-0.30969	-0.75406	-1.77646	-0.11081	0.287567	3.46957	-3.89453
1.15897	-2.14383	-3.24631	-0.23401	1.18036	0.785461	2.79401	-3.61823	-1.3298	0.949524
0.943451	0.605103	2.44794	1.28094	0.477997	1.82739	-0.44891	0.23819	-4.75894	2.60361
0.970001	0.206055	4.5228	1.98132	-2.08636	0.234009	-6.83908	-0.26843	-0.89435	4.28693
-2.54257	-3.06766	2.12851	-1.8808	-1.31454	-4.03189	-7.48486	-3.34088	-3.41357	2.57935
1.64957	-0.31699	-3.0173	2.82443	8.49E-02	-1.83185	-2.78165	2.08954	-1.99799	2.55298
1.33923	-3.16092	-1.10211	9.66E-02	0.26767	-4.20789	-1.9357	-0.21054	-0.62802	1.37009

0.718597	-1.72644	-3.63657	-1.08017	-1.80853	-2.81729	-0.1973	-2.21237	-2.36179	1.15448
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8.91E-02	-1.5834	-1.59521	-0.26077	-1.35403	-2.14447	-2.52063	-1.7088	-3.3576	-1.67041
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6.11911	-2.21555	4.26428	7.52E-02	-4.18109	1.41949	-7.3613	-2.31354	1.26514	-10.1281
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0.831024	-2.15262	-1.01346	-1.17386	-0.28122	-1.96579	-0.8996	0.252716	-0.56769	-1.90002
2.79105	-0.77106	4.34E-02	7.14E-02	-2.02948	-1.73611	-2.15497	-1.15192	0.499695	1.16428
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1.12183	0.161285	-0.2424	1.6503	0.36026	1.50104	3.71048	3.47058	-1.47131	-1.51065
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1.95E-02	-0.63318	0.210754	-2.61658	0.86618	2.2486	-4.04642	-0.21411	0.700745	-5.89911
1.18008	0.177368	-0.40402	1.41602	-6.20099	-3.22668	-1.3479	-2.80783	-2.96484	-0.44446
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9.15E-02	3.34732	1.27148	-2.11148	-0.96869	-4.19897	-1.09225	-1.01678	-1.4765	-1.44931
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2.67972	1.70087	-2.80896	-3.07565	0.21936	-1.61539	-1.91229	-4.29266	1.09589	-2.46292
0.691345	1.20175	-1.3812	-0.69229	0.694031	-0.78272	-0.26917	0.528198	0.667694	-0.26093
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-3.26157	-3.17804	2.0228	3.3186	1.05627	3.14E-02	0.730316	-1.00278	-5.03589	1.78287
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1.71802	1.0162	-2.6564	1.60483	0.442261	1.04532	-2.2645	-1.84586	0.79718	1.60129
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-1.74536	-2.09955	-0.59979	-0.98801	-0.50458	0.234711	-1.89478	-0.73682	-1.61453	1.55759
-1.09848	-2.11618	-1.52719	-0.88165	0.527374	-0.30792	0.812714	0.871613	-1.58176	0.683197
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-2.96002	-0.76459	-1.85962	-2.90927	-2.82294	-1.96057	-0.48685	-1.86411	-3.4342	0.38559
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-5.03323	-5.63809	-3.21121	2.03134	1.02802	0.164551	0.181946	-4.19379	-5.005	-0.82431
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0.51355	-1.95004	0.122528	-0.64319	-2.32556	-2.03461	1.46494	0.970581	-0.20041	-0.8714
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1.24146	0.837585	-4.36481	-0.36041	-1.22824	-0.16327	1.31897	0.125458	-3.58353	1.08826
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-4.09445	-0.50412	-1.24829	-0.55692	-1.2583	0.476807	-2.30273	-1.10052	-0.82715	-2.09985
-1.81921	-2.01611	0.222504	-1.85E-02	-2.41974	-2.19437	1.74377	-1.79462	-0.56918	-0.12521
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2.25235	0.187714	3.45566	-2.60245	1.39587	-5.77341	-4.4371	-0.73959	-0.89905	-2.03372
5.42911	-3.87454	1.72479	3.80713	-2.22577	-2.08099	-1.63718	-0.36362	1.42654	-8.42798
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0.960022	2.15936	0.330933	0.658447	-8.55E-02	-2.21399	0.427216	-3.73218	-0.62	-2.6683
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3.20972	0.162903	-3.3204	-0.11887	-1.77203	-7.32E-02	0.505219	-0.37534	-1.35373	-1.0451
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-0.80075	-0.36017	4.00995	-6.88025	-1.39102	-4.19611	1.15759	1.0293	-2.42526	7.60E-02
2.55438	0.810364	3.15158	2.34482	0.164734	-0.3587	3.10672	2.17276	1.45306	-8.37E-02
3.81793	-2.00214	-2.0957	2.0152	1.55835	2.76694	6.04224	-1.86987	5.97812	-0.65253
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-0.56369	1.85608	-1.39432	-1.57938	-3.20563	-1.20276	0.679413	2.06274	-1.41382	-1.10443
0.405914	0.267456	-2.12445	-0.86224	-1.14993	-1.59879	0.881104	0.43161	-1.75229	9.35E-02
1.84766	-2.15564	-2.0871	-0.8194	-1.33398	-0.2883	2.39484	-0.96042	-2.48712	-0.6069
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2.41623	-0.22827	-5.69986	1.61414	-1.74503	1.67191	2.04269	1.84659	-4.46426	-0.85352
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-1.11298	-0.95413	-2.76791	1.80771	-5.20413	-4.90408	0.450714	1.99463	-0.53839	0.904449
3.04E-02	-5.8808	0.291382	-1.19098	3.59973	2.75E-03	0.984863	-6.67569	-3.9986	-1.4859
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1.21298	1.06226	6.68939	0.347931	-2.37466	0.717621	-1.0994	-8.83E-02	-1.84686	1.84235
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3.11E-02	3.66623	-3.41321	-1.40295	-0.99088	-1.34058	1.21194	-3.17758	4.87112	-3.69891
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1.81021	2.67715	-2.13733	4.45993	-0.54208	0.16571	0.784698	-1.89392	4.76886	-4.33188
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0.656433	0.53653	2.39374	-0.45728	1.9512	-2.1124	-0.33499	-1.65839	-4.33527	3.74921
-1.51709	1.45535	-3.87421	-3.43777	-1.10138	-0.36728	-4.5961	-0.90353	1.90674	-0.32587
-3.97977	2.33606	4.31E-02	-4.46539	-4.61703	-0.29947	1.42612	4.68152	-1.73077	-4.65186
-4.93991	2.08081	-2.53232	-0.48926	-1.24237	-3.80646	1.12796	-2.76419	-0.99558	-4.71683
-1.03589	1.65421	1.2807	-0.84229	-0.71945	-2.23627	-0.7746	0.697571	-0.99152	0.28067
-0.6987	2.04095	-0.79108	1.21E-02	0.678467	2.55E-02	-0.65918	-0.82358	-0.18491	-1.84802

-1.03024	1.61856	-2.00778	-1.81558	1.34833	-0.56369	0.229523	0.642975	0.458679	0.784698
0.888031	3.56052	1.37628	-0.27976	1.20898	-1.49432	3.37561	1.16409	-0.13626	8.40E-02
-1.42737	-0.42603	-0.69528	-2.85834	-0.52078	-0.14771	1.39896	1.33368	-0.30957	-0.87085
1.83218	-0.50851	0.303192	-0.47516	-1.85403	-1.12256	0.878662	5.5675	1.99261	-1.64319
1.53705	-0.55432	-1.07141	-1.16919	-3.18936	-0.26175	2.68738	-1.93552	-1.31381	0.842957
0.698364	1.20E-02	-3.17029	-1.6972	2.51556	-1.48685	0.779694	-1.2337	0.529602	3.16061
1.09024	0.628632	0.266846	-1.07336	4.0278	-1.14661	-2.56149	-2.30801	-3.25095	3.2384
3.18588	1.41415	-0.18811	-0.23618	3.94022	-2.70209	0.183105	3.15356	-4.11594	-0.19757
3.74774	-3.10095	6.1713	-2.85828	1.06747	-8.60E-02	-4.48929	-2.75598	0.778809	2.79736
-1.17993	-1.2193	2.69638	0.310638	1.2998	2.82193	2.04166	-1.84659	2.09332	4.086
-0.10788	-4.72342	2.29968	-0.45017	0.622253	-2.94849	0.564301	-3.34824	-1.83154	0.735565
1.2594	-1.06183	-0.90817	-6.70E-02	-0.63135	0.805115	-1.6738	-2.13467	-0.16269	0.876892
-1.47705	1.85284	-1.92889	0.427307	-0.79236	-3.21411	0.507233	-2.2883	-1.22501	4.14899
-0.74078	-1.48538	-0.6391	0.406647	-2.22552	-1.91302	-0.10111	-3.2951	0.372833	1.00089
0.193939	-0.43671	-0.89398	-1.92194	-1.58289	-2.09711	0.900452	-0.33551	-0.35165	2.09586
-1.53592	1.52051	7.08E-02	-0.73596	-1.39944	-0.76367	1.91705	-1.6546	1.65732	2.02121
-1.15927	1.91409	0.4935	0.75589	-2.45004	0.477539	-2.56482	1.52548	0.450867	3.16006
0.814972	1.24088	2.65201	-2.2226	-1.85995	-1.63696	-5.33789	2.76498	-1.2597	1.31732
1.99863	-1.33139	-0.96265	-3.20947	-4.77972	-7.63141	-2.51599	-8.36511	1.41E-02	-6.17041
3.01089	0.369659	3.54858	-0.72247	-3.60519	-4.1864	4.47031	-1.98132	2.66534	-1.13248
-0.42108	-0.73084	4.07431	-8.0141	-4.34982	-2.08698	0.240723	0.422943	0.739929	2.24E-02
3.36469	-4.90668	3.82257	-8.82437	1.27551	3.54614	-1.92725	-3.16116	2.75522	-1.3605
1.84363	-1.47171	-0.80551	-2.84827	1.20517	1.42523	-0.18338	-0.41904	-0.65454	0.730591
-0.85059	-0.82724	-0.71677	0.243958	1.60507	2.11459	1.14432	-1.35538	-1.0744	-1.08493
-1.56247	-0.42065	-2.53247	-1.0177	-0.54526	-0.65411	-1.13318	-0.39713	-2.36493	-1.14291
-0.78146	-1.16418	-2.6037	-0.70566	-2.23004	-0.87662	0.128601	-2.38211	-0.93576	0.114197
-0.97095	-2.57452	-2.32327	-2.73822	-2.73508	-0.5838	-2.10464	-4.13342	-2.33997	-2.45706
-2.85013	-0.52011	-1.7919	-0.84027	0.285461	-1.92767	-0.53455	-2.18512	-2.27921	-0.582
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-1.05594	-1.18274	-3.97672	-1.93011	-0.15765	-3.91E-02	0.483612	1.24329	-1.0437	-1.03229
-3.51486	-1.22919	2.12894	-4.21448	1.76019	0.912994	1.5968	-2.61069	2.86954	1.64371
-4.22589	-4.30704	-7.651	-4.70856	-4.64938	-2.1265	-0.7341	-2.49463	-0.45425	-2.56427
-1.33228	-0.94894	-4.4967	0.90152	-4.03952	-0.96658	4.47281	0.992432	4.35623	1.92825
-1.87161	-1.98978	3.48157	-0.14807	2.25632	-0.67297	5.20416	3.36594	4.92242	0.8125
-3.65967	0.630798	-2.18341	-0.26328	-0.33133	5.04E-02	-0.43201	-1.85834	0.422974	-2.39413
-1.69498	-2.01614	-2.50226	-0.12595	-0.20303	-1.08618	-1.04187	0.846313	-0.8085	-0.47781
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-1.74707	0.605621	2.27368	-0.99255	5.94E-02	2.07458	-0.6163	0.127716	1.04144	-0.8327
-3.46957	-0.16361	-0.98447	-1.45172	0.685608	-0.8876	0.647949	-1.58472	-0.46497	1.73904
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-3.48737	-1.03821	-1.5058	0.685089	-0.66806	-0.55185	0.89859	-1.13351	-1.53043	-1.98383
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-7.86E-02	-0.12387	-6.24765	-2.89117	-6.4274	1.40262	-2.88651	0.520203	-0.65875	-2.5957
-1.5842	2.87286	-2.4689	-5.06686	-2.93619	-0.44748	-4.21698	-2.14084	-1.40994	-0.34045
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-4.00092	3.75681	-0.71262	0.956024	2.41983	1.16904	-9.93E-02	5.93271	3.24301	5.00897
0.37851	3.02209	-1.8479	1.07114	1.50098	-0.19098	-0.78598	0.168854	1.27817	0.10968

0.451508	0.876068	0.254852	-2.00244	-1.20615	-1.1828	0.513031	-3.08578	-0.9158	1.42789
-5.07E-03	-0.85846	-0.11639	0.564911	0.514343	-2.29471	0.799225	0.248474	-0.26541	-1.3468
-0.87207	-1.08368	-1.7731	-1.33624	-0.30533	-1.86273	0.896393	-2.96091	-0.85376	-2.91522
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1.60983	3.78E-02	0.811676	-2.9137	1.68604	0.538147	-5.17493	8.08E-02	0.496277	-1.25323
2.01578	-0.42654	0.751984	-2.97131	0.943756	0.608154	-1.24E-02	-3.63373	0.58139	1.34921
1.55453	-2.39908	5.24606	-4.82996	-1.33951	1.70721	5.2319	1.9906	0.519531	3.6777
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2.33954	-0.53363	1.41571	-0.63498	-4.92184	2.34381	-4.94818	2.40384	-3.27838	-10.2087
2.24069	-0.54498	9.71E-02	-0.98627	-1.85898	1.95743	-4.15195	3.43231	-0.5557	-6.42731
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0.411133	-1.78506	1.14371	0.305206	-1.87497	-1.2471	-0.81006	-1.14532	-1.82523	-1.76962
0.292542	-1.37158	-0.48709	-0.23746	0.109558	0.835175	1.00009	-0.9982	2.82416	-0.25131
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0.915771	0.584595	-0.98331	-1.48315	-2.57034	-0.76846	5.99786	0.1586	0.635498	-1.2627
0.20755	0.654694	-2.43842	-0.70639	-2.93515	-1.37247	5.07599	-0.13913	0.762177	-1.77322
0.929382	0.37738	1.96078	-2.24191	2.71976	-1.80386	-0.53351	-0.48203	3.77E-02	-1.34E-02
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0.347809	-4.11325	2.31888	-6.97336	-1.29807	-0.67239	-0.31339	-5.30902	-3.86176	-2.85696
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1.82138	-7.61728	3.20337	0.512817	-2.12619	1.92874	-0.87485	-0.37207	-0.84058	-1.2189
1.13153	-8.0419	2.74429	0.169922	4.38E-02	-0.13709	0.567108	0.704468	1.18378	-3.81912
9.27E-02	1.77728	-0.26086	0.694458	-0.90015	0.459991	-0.54279	-0.81287	-1.21732	-1.35941
0.23465	-0.80154	-2.8252	-0.4838	-0.35736	-2.48682	-1.40677	1.26138	-0.90503	-1.15952
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-2.59787	-1.42963	-1.18329	-0.54092	-0.88528	-1.50751	-1.57013	1.10178	-0.50797	-1.47806
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2.89145	2.7254	1.16064	-3.73856	-4.5896	-1.87589	-0.87351	-1.07251	-1.26276	6.7951
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2.58868	-0.54108	-2.3204	-3.85678	2.10931	4.34155	-2.82175	2.35571	0.711517	1.70868
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-4.90E-02	0.125702	-0.62982	-0.67716	-0.22025	-1.81186	-0.88013	0.2901	-0.9324	-1.28891
0.401031	-0.93872	-1.05652	2.9061	0.59256	-2.65286	1.21997	2.78918	0.661591	0.845154
1.93506	-0.66025	0.801208	-0.28751	2.34726	-2.16684	1.2858	0.810394	0.727997	1.01263
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1.36111	-2.16846	-6.5929	3.48721	1.83386	-4.80487	0.713135	4.94403	0.658508	-4.23895
2.47546	1.93033	-6.14362	2.42834	0.984619	-1.85938	1.78717	1.34662	1.05612	-3.4971

1.10184	2.61841	0.252899	-1.02036	-1.21393	0.48114	-0.46201	0.858459	0.794678	-1.83923
0.239014	6.20E-02	1.51865	1.39554	-0.46555	0.453491	0.334625	1.14352	-0.10629	-3.48422
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2.31693	0.947784	1.1413	6.01E-02	-1.46146	3.47E-02	0.345764	-0.75952	-4.92712	2.29135
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1.69556	1.66513	3.70364	1.33923	1.4953	-1.4772	-5.75632	0.733002	-1.50024	-4.63721
1.14359	1.00735	-0.48102	-3.68729	-0.74658	-3.65329	2.13501	1.08926	0.757446	0.630249
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1.2442	-1.62054	0.551239	-0.42935	0.358978	-1.0975	-0.54788	-0.60019	0.57489	0.880981
-1.28275	7.45E-03	1.11041	-1.35638	0.545532	0.258087	1.69275	-0.6456	1.12079	-1.11432
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2.29031	-4.92316	1.99249	0.235718	-2.45044	1.40912	-2.25369	0.81073	-0.80527	3.59006
4.99838	2.6105	-1.39651	-0.57547	-2.59039	1.02554	2.25494	-3.26697	-0.78439	0.611298
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2.44513	-0.30505	-0.57938	-0.22058	0.199615	0.182587	1.14154	0.301178	-1.81451	0.253601
0.533539	0.244324	-0.91821	-1.18585	1.09836	7.54E-02	-1.4707	1.44672	-0.81305	0.284302
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0.292786	0.80481	-0.13342	0.747833	0.80835	-0.68927	-1.60123	-0.5109	-2.58969	2.8869
-1.77695	-2.07263	-0.80502	0.343292	1.14114	-0.59387	-1.47092	-0.26733	-0.61731	1.06775
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0.842407	-2.70123	0.332672	4.54733	2.89053	0.758423	-1.52158	1.05307	-2.34314	-3.13977
-1.58908	-0.26984	-2.54779	4.5863	-0.19275	1.83774	-4.19867	2.76794	-2.47937	3.54245
-6.95E-02	2.08832	-7.13861	3.49783	3.68262	-5.47736	-0.19174	-4.15826	0.383911	1.75357
-1.57187	-0.10461	-2.59293	1.56213	1.28937	-2.09378	-0.39179	-0.48315	0.723755	2.96249
1.2359	1.43658	0.149139	-2.06937	1.02496	-1.7554	-1.82739	-0.33337	-0.97852	0.735596
1.35364	0.741943	-1.297	1.5282	-0.15009	-0.23639	0.650421	-0.2052	0.912476	-2.23352
-1.09708	-0.46808	-0.84351	0.101562	-3.54E-03	-1.02533	0.284088	-1.6951	0.841644	-0.6246
0.929535	-0.43021	-2.86649	2.28369	-0.75009	-1.52829	-1.38135	-3.13892	0.166626	-2.98624
-0.55222	0.508698	-1.6954	0.84613	1.46E-02	-2.41068	-1.26715	0.78598	0.775696	1.0885
2.45844	-0.50751	-0.12561	2.49249	0.319855	0.115448	-1.47571	-1.19733	-0.99423	-1.35553
0.175781	0.479462	2.71741	2.39221	2.11325	1.64114	0.160492	-1.0755	0.834717	0.155518
1.36295	1.06381	-4.22656	-0.28647	3.29327	0.755096	1.1268	-7.15179	-5.23566	-1.23532
-1.86832	1.32166	1.29248	0.146027	2.66141	7.0499	4.96512	4.84048	-2.58524	0.614441
0.978729	3.63156	-3.561	-4.64398	1.28046	3.71793	6.39633	-6.36285	-1.80389	-9.80423

0.631378	2.96451	-3.9631	4.09E-02	2.80722	-4.07446	2.04575	0.669312	-2.8959	-4.30682
-1.53397	3.3327	0.641174	-0.54279	0.528168	0.55603	2.47891	1.96027	-3.92813	-2.06873
0.898804	3.12228	-0.65897	4.04E-02	1.26727	0.155212	3.31201	2.02472	-1.5769	-0.58633
1.37424	0.15625	1.80472	1.63321	0.319733	-1.12189	1.84692	-1.54202	5.84E-02	0.293396
1.54962	1.76373	-1.08472	-0.95514	2.19397	8.82E-02	3.6185	0.714691	0.78595	0.577301
0.60733	4.00467	0.127014	0.621674	2.6698	0.582703	2.78696	1.82599	-1.77875	1.52246
1.48648	7.3573	2.1362	1.48422	2.47195	1.02274	0.745148	-0.14999	1.035	2.99609
-0.99707	3.84058	-0.22821	-1.9881	0.893951	-1.30576	-2.41113	1.65558	-0.62534	2.18155
0.358978	1.59778	-0.19962	2.0108	-0.25116	-2.24854	-0.33261	-6.59E-02	-3.35458	0.707611
-4.27545	1.79953	3.96585	3.20624	-2.45493	-1.5235	-0.92401	0.546906	-0.14667	-0.5589
-1.3671	-2.24286	5.70367	2.97824	-2.47217	-2.42059	2.87601	0.17868	-0.69525	-5.34058
1.29462	0.800751	6.84381	1.8313	-4.69513	-4.69366	4.89783	-0.59787	1.24551	-3.07205
-0.33783	6.703	3.74039	0.987122	-0.49619	-4.17105	-0.74753	2.85352	1.57382	-1.64291
-0.35797	2.2269	1.49E-02	0.490021	1.85007	-0.85806	-5.40E-03	0.542969	-0.17514	1.04767
-2.71979	-0.18564	0.371826	-0.61624	-6.52E-02	-0.534	0.883209	0.909424	-1.0123	1.70999
-0.38104	1.73834	0.285004	-0.7767	-1.42816	0.19931	-2.16165	6.64E-02	-0.81543	1.41519
0.330627	0.854431	-0.38382	1.23926	-0.52963	0.712677	-1.53668	-0.22101	-1.16565	4.53E-02
0.901031	0.506378	1.55704	2.05988	-0.672	0.127411	-3.23535	5.03699	-1.49017	0.100952
0.836884	-0.26929	2.4577	0.237946	-1.05795	1.41104	-3.00934	1.60721	-2.4989	1.29379
2.95645	1.31647	-0.54242	-0.31369	2.63815	1.17914	-1.36142	1.90E-02	-2.47614	-0.61932
-1.55722	0.967072	0.562683	2.9259	1.77676	-9.33E-02	1.3848	1.11249	-0.22269	0.426331
0.185333	-0.16397	-4.02505	2.36664	0.425598	-1.58319	-3.36072	-0.44312	0.446533	3.59949
3.50119	-1.82083	0.38678	0.858124	1.95172	-1.52921	2.64682	-2.66092	-1.61206	2.43362
-0.29837	-2.30646	-1.87329	0.50351	-1.66644	-4.90466	5.99271	-6.35745	0.161621	-3.60455
-3.36343	-2.73618	1.62347	2.92813	3.56622	-6.22775	2.52237	-4.36618	-0.11929	0.152283
-0.83167	0.121704	-0.1369	2.10703	0.561066	0.87442	-0.32581	-2.67075	-0.24182	-2.80E-02
-1.246	1.58246	-1.16595	0.614838	1.18106	-0.25009	0.411804	1.54901	-0.31601	0.273773
-1.13394	0.741638	1.77512	1.76901	-0.57758	-0.76639	0.150635	2.79498	0.186371	2.13089
-0.34546	1.5191	0.747894	3.06665	-3.07E-02	1.12427	-1.5575	1.37592	-1.34705	2.34229
-0.50028	2.55127	-0.73688	2.50488	-0.57648	-0.90509	-0.76303	-0.52332	-0.87827	0.690643
1.03558	1.19659	-2.0376	1.27405	-0.53876	0.339813	1.99966	1.93588	2.00909	1.45709
1.60544	2.29828	-0.87311	0.778992	1.30994	-2.78857	1.97797	1.66599	-2.38202	-0.82883
-0.16773	-1.50623	-0.35211	1.10519	-1.91434	7.99E-02	1.0824	1.78528	0.229095	1.02454
2.77405	1.95871	1.74646	1.56934	-1.686	1.02991	-0.28549	1.6965	-0.74625	-5.53E-02
6.0274	2.61066	0.63559	2.01913	2.71652	-1.2384	6.41193	0.478882	3.51315	-0.37805
5.66644	4.76E-03	4.70428	-2.3179	-2.75885	-3.14078	4.07352	-4.10056	8.07593	4.09756
2.31647	1.90192	-1.62393	0.746033	0.515106	2.63553	-1.31625	-3.33456	0.427704	-0.19382
1.80853	-2.05661	-0.98492	-1.31268	0.294067	-1.08627	1.14331	1.07047	-0.83942	0.964478
-0.60999	-0.30914	-9.24E-02	1.09033	-0.28842	0.238403	0.661804	3.37552	0.726593	-0.16473
-0.22064	0.204559	-2.8819	-4.29E-02	-1.16116	-0.15939	0.716431	1.23199	1.84509	2.5441
0.564636	1.05392	-2.02261	0.112946	0.584656	-1.45532	-0.67249	0.13681	-3.44E-02	1.82648
1.68323	-0.37653	-0.13898	-0.72553	0.555511	1.05811	0.745544	-0.29312	2.12314	-1.25464
1.6669	0.358887	-1.32391	-0.23056	2.01904	0.949829	2.76285	3.25009	2.96249	0.313599
1.17245	0.533173	6.38E-02	1.42789	0.671143	-1.98367	0.511475	2.38986	-0.23822	0.294159
-0.84653	1.80E-02	-2.15192	-1.47241	3.33487	1.69214	-0.8486	2.95569	0.398315	-0.14346
0.841553	3.98892	-0.50046	3.44223	-1.9433	0.705902	2.96161	6.0546	2.73346	-0.3407
-0.6521	0.94046	8.01828	-0.71606	2.38541	-2.85181	3.97733	3.24799	1.14496	4.11514

-1.54196	4.79724	3.15939	-2.27148	0.395874	-3.45526	4.54443	-1.04608	-2.02017	-0.46256
-1.76242	2.97513	2.52927	1.35254	1.48611	5.71E-02	1.17975	-2.25937	0.24231	0.605591
-3.71667	-1.11511	1.04709	3.01154	1.00125	1.94354	2.24179	-3.62595	0.726379	1.21228
-0.29309	0.794556	2.28503	-0.95627	0.749359	-2.62628	0.441925	1.93301	-1.02661	-0.40491
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1.14542	2.10641	-1.35559	0.575867	-0.50714	-1.26614	-0.74561	-1.68619	-0.25266	1.05258
1.29855	1.62219	-2.75168	2.11227	0.105408	-0.69299	0.110046	3.3139	-0.73367	1.17996
-3.4368	0.90271	-0.52152	2.35593	0.967072	-0.98886	-2.00903	0.482208	1.922	0.532196
0.69693	0.68689	-0.91953	-0.1778	0.316254	0.496124	-2.54913	-1.52353	0.711792	1.94186
0.110474	-4.56E-02	3.33661	1.47598	1.51065	2.27716	-0.41888	-1.15543	-1.30179	-2.25607
-1.66586	-1.56607	-1.86765	3.42035	0.913483	-0.64539	3.05798	-4.28659	-2.17337	2.23538
2.0882	-0.40634	-5.40182	4.04074	1.45441	1.65842	-0.3396	-3.26474	-2.66174	4.03384
5.45483	2.81564	-1.03909	4.19373	-1.51562	1.33163	6.55643	0.953033	-7.91409	-3.33173
3.16629	-3.16647	3.37067	6.88553	-5.87567	-0.12366	4.21097	2.46521	1.69122	-0.85861
1.71292	-1.36301	1.53058	2.64883	0.167267	1.01062	-1.33951	0.273468	0.83078	0.577484
2.19553	2.14926	-0.50806	0.74585	0.967957	-1.7059	-0.76218	-1.15738	-1.17139	-0.32803
0.656036	0.397247	-2.88989	-1.21561	-1.06308	-2.27191	-4.06E-03	1.74E-02	2.01889	1.8226
2.54272	-0.33719	-0.54089	-0.28095	0.925171	0.192657	-0.38629	0.982605	2.63E-02	-1.22162
4.15543	-1.63873	-0.95609	-0.13593	0.752808	0.321106	-0.67325	0.382782	-8.45E-03	-0.95624
2.29099	2.4614	2.2681	1.16153	1.39786	-1.45126	-5.98E-02	-1.6311	1.8111	-0.4191
1.89914	0.971893	-1.50513	1.71008	1.21506	1.28424	-0.24423	2.70676	-0.71481	-0.61444
-0.49454	0.370453	1.62161	-1.92441	-0.51004	1.50034	0.689209	-1.5	-2.87939	-3.30206
0.121338	1.25702	1.35706	1.08975	-0.44843	1.20459	1.9585	2.22281	0.736938	0.186798
0.640594	2.82816	3.49887	4.88684	-1.23959	-0.97278	2.229	-2.38254	1.89545	1.48575
-0.63736	5.93585	4.01389	3.1145	1.58447	-1.28119	5.36893	-2.54367	-6.35278	2.57727
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2.47421	1.86649	-0.98041	4.83664	0.287354	3.63632	0.485504	-0.80603	1.37296	2.69687
0.43811	-5.12E-02	-2.77176	3.03894	-2.05673	-1.27438	-0.42288	3.10764	1.1933	0.389587
3.03433	-0.14584	-1.47308	2.0741	-1.21686	-7.62E-02	1.33673	0.186798	2.01068	3.53299
-0.41766	0.795929	-1.57181	1.98767	-0.54202	0.357361	-0.1333	1.4895	1.98315	4.69989
1.97495	3.25827	-1.15707	0.563385	-0.2424	0.412201	-2.04593	0.789398	0.685944	2.50644
0.465485	2.72299	-1.49081	0.788422	0.980865	1.31952	-2.93265	2.7334	0.454193	2.51941
0.106842	0.545868	-3.29E-02	0.777985	-0.13535	1.11594	-1.44412	1.84616	-0.93793	-1.57584
2.46658	1.26776	0.202911	1.60831	-2.73795	4.74E-02	2.49069	-1.53183	4.78641	0.940216
1.00485	-2.23428	2.34534	4.46362	-5.62653	0.60379	3.05179	-3.08209	2.16995	2.84979
1.6539	0.999268	-0.36731	1.56442	-2.25958	-0.31949	-0.15109	-3.66614	0.684845	-2.89047
-1.42578	-2.38394	-0.85269	3.0108	-5.90195	-2.74759	-0.16077	-3.36176	0.75473	0.379059
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-2.57889	4.2359	-0.97043	2.49173	2.64355	-0.76166	0.829712	-1.82153	0.419769	2.17767
1.93741	-0.17273	-1.84647	2.22995	-0.35114	-0.1825	0.213715	1.76212	0.383789	0.485077
1.79364	1.12674	-0.22397	1.44321	0.15094	-0.98239	0.276642	1.10229	0.14447	1.21518
-0.57886	1.61792	-0.548	4.34995	0.773468	0.253662	-1.36621	0.972595	1.18134	3.7085
-0.98306	1.17E-02	-0.77487	2.36737	2.9183	1.13672	-0.53534	-0.38431	0.150635	-0.52387
1.43307	2.36209	0.279388	2.04672	-2.63144	1.54062	-2.36093	0.400391	0.269623	-1.27802
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0.96759	4.16382	1.93829	1.44272	-3.64148	2.89474	-0.33893	0.884827	-0.6842	1.56699
2.30453	-2.25101	-0.20132	-1.26236	0.253662	-1.36728	1.70642	0.639557	-2.79852	-1.21912
1.55341	-0.14984	-0.14606	1.52756	-1.49664	-5.23E-02	1.07132	0.158508	-0.38821	1.70157
-0.45047	1.93353	-1.56168	1.9111	-0.18948	0.976593	1.08374	-0.86682	1.8512	-1.50912
0.681122	1.66373	-2.31689	1.68375	-0.56012	9.68E-02	-1.83E-04	0.582092	1.64343	-0.9183
1.84805	1.88708	-1.24197	2.11249	-0.87698	0.428802	1.67435	1.13208	2.67923	0.67984
2.3653	1.66669	0.641296	-0.72067	1.33896	-0.88876	2.47235	-0.3443	0.8974	0.276001
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1.26086	1.12167	0.367004	5.58569	0.84317	3.48984	0.340607	3.15549	2.47461	2.44052
0.337738	1.86673	0.128143	1.66302	4.16699	-8.80E-02	2.4563	4.84311	2.12366	2.50378
0.564087	4.12115	-0.44711	2.53922	-1.16656	0.221008	0.691925	7.38947	0.111542	8.44543
2.18173	2.90677	-1.6709	4.91592	-2.28763	1.56894	-4.35797	7.37753	6.2803	4.15115
1.55429	-0.40598	-4.72501	3.67712	2.27301	2.47784	-4.00424	1.87262	3.06982	-1.121
1.76913	2.22919	0.997986	-0.29987	-1.28622	-0.88467	-1.37469	-1.77396	1.68658	-0.56323
-0.19959	0.224457	1.04944	2.43304	-1.39124	2.7298	3.17203	-0.65448	-1.35001	0.256866
-8.54E-04	1.45615	8.08E-02	2.80789	-0.65576	-0.22141	0.91333	1.23428	-0.54462	0.25589
2.68314	2.16611	-1.91721	4.68567	0.153656	0.978882	1.6268	-1.25681	0.969055	-0.14621
1.51935	0.395386	-1.44467	0.761871	-1.13E-02	0.437012	2.57245	-1.7373	0.54715	-0.34985
-0.6127	-0.90869	1.91788	1.28815	1.65027	-1.42517	3.69406	-0.69562	-0.59689	-2.62311
3.53714	-0.76831	1.63919	2.96609	-2.12225	-1.64557	1.77786	-2.06143	0.237091	-1.65305
1.52377	3.18826	2.86099	1.1691	3.16077	-0.69077	2.10611	-0.73132	0.221191	-3.29517
0.313751	-1.32907	5.38104	-3.71097	-1.14651	1.65732	3.64059	0.560394	-3.66064	0.576782
2.198	-0.62793	-0.31952	0.588928	-0.51328	4.29471	4.18872	-4.54782	-4.61566	0.544922
0.720337	5.24155	-1.84171	-2.354	1.61948	2.85641	-2.10947	0.588928	1.66931	2.53085
2.62427	0.8815	0.13269	3.81952	-0.25479	-0.50525	2.35797	-0.15488	3.91992	-1.1976
1.67322	1.76349	2.75439	3.07773	1.13297	0.925537	0.634003	1.64984	-0.66702	2.84467
0.358612	1.11908	2.23215	2.10083	1.25E-02	-0.32919	-3.14E-02	1.12851	2.84219	-1.99832
1.01526	1.06754	-0.86899	-0.4823	-0.12906	0.466187	0.74292	1.8656	0.947174	0.52478
0.17334	2.56223	0.854492	-1.26456	1.39087	-5.55E-02	-0.45538	1.34192	0.334961	0.893585
1.04233	0.859985	-0.97247	0.247864	1.92551	0.103302	-8.69E-02	1.51279	0.130829	1.54706
0.405701	2.05649	1.26147	1.49155	-0.16635	-0.63309	3.60446	2.65408	0.790619	-2.0687
-2.27377	-0.10941	2.3931	-0.9303	-1.22034	1.58524	2.77988	-1.01273	3.06259	0.574371
-1.78613	0.22467	0.442993	1.29199	1.79935	-2.53394	1.43521	0.683075	0.786804	2.94971
1.23096	3.4494	0.840149	4.45193	3.12488	-0.2868	0.644989	3.04291	3.09564	1.48358
0.889984	4.82614	-5.46222	1.92392	-1.43768	3.02E-02	0.81311	-2.68744	1.43515	-5.69476
6.27164	7.06195	2.535	3.54422	5.74597	5.65863	-1.87619	2.70004	3.72092	3.72537
2.96317	4.5032	-0.55481	0.886841	0.521118	2.05243	0.995667	4.45264	0.871216	3.87708
1.79181	2.28128	1.70407	6.45E-02	0.804871	2.02124	-0.60449	2.26767	2.78848	-1.55551
-0.30869	0.205383	1.70505	-0.28415	0.539978	-8.78E-02	1.29382	-0.32178	6.47E-02	-1.21503
0.33783	0.829346	-0.58209	-0.71939	-1.20108	-1.76E-02	1.01022	3.40527	0.911987	1.75848
1.73813	3.66531	1.6011	0.440155	-2.83E-02	0.893768	0.987915	2.0762	0.629333	-4.66E-02
1.77695	4.12039	6.40E-02	-2.29913	0.911804	1.53311	3.82446	0.146576	2.63455	1.43384
4.10718	1.37881	0.719879	-1.62738	1.08246	1.89154	2.46307	4.12201	3.36691	-1.2854
0.71225	1.51599	5.56E-02	-2.5062	0.843964	0.395447	2.39929	3.61606	3.74197	3.00687
-0.12482	1.17416	1.42679	-1.5419	-1.63724	2.34204	-0.25	6.54068	1.42E-02	2.33731

7.44E-02	2.36002	1.21036	1.48645	2.14349	2.91782	0.844696	-2.58569	1.93985	5.83759
1.13901	4.92157	2.12479	0.642242	3.34512	5.07401	1.56512	5.28717	-0.42835	2.77734
-2.35068	4.41727	0.233704	-1.25818	-1.66245	0.73761	1.95682	3.17734	4.37921	3.92355
3.23828	4.27621	-2.9501	-1.03537	5.56E-02	-2.88077	5.35306	6.00381	-1.38858	3.064
1.33371	2.0047	1.3541	1.83044	-1.63754	-1.85968	-0.29779	2.32187	-2.19781	4.70E-02
0.577026	1.59106	1.80154	0.802155	-0.85684	2.63211	1.08932	0.488922	0.112396	1.13409
2.73035	0.336456	-0.33899	2.45361	1.71924	0.524506	1.34125	1.43127	1.39389	2.67007
0.476135	2.11401	-6.38E-02	0.340851	1.67758	-0.90244	2.173	2.5892	0.684052	-0.2063
1.99353	3.07468	1.16663	1.44669	0.928101	0.454407	2.65646	4.77869	1.95914	-1.29706
0.20639	1.5925	-0.32092	1.84683	2.30795	-1.67E-02	0.404449	5.0242	0.930695	-2.10791
2.76523	-0.19193	4.12167	0.742706	2.21915	0.779541	2.13858	2.83246	1.59778	1.53107
3.88806	2.75626	-5.82E-02	-0.1044	1.92136	-0.53326	-0.36289	2.11679	2.12592	0.956329
2.33325	0.678009	-1.90384	1.29922	6.04218	3.0285	1.43689	1.51099	-5.09854	4.93979
2.71249	0.213867	-1.77142	-4.11539	1.93881	1.37289	-0.9556	3.80356	2.83575	6.21872
-2.08307	3.47876	-2.8063	4.03952	-2.84534	-2.56638	-3.70999	-1.28787	-2.2692	0.124054
4.69757	-1.62308	-2.2355	4.98843	0.680511	1.03564	2.35565	-3.74527	1.66992	1.1456
4.76584	3.62061	-4.47031	-2.20038	1.55807	2.90344	-3.64551	-6.52E-02	6.13266	0.953369
2.47342	2.90887	0.150726	0.772736	1.12128	-0.95648	-9.64E-02	-1.47058	1.5928	2.27557
3.83093	1.85056	3.51413	-0.14758	0.209625	-0.39591	0.330048	-0.13843	0.901093	1.61969
3.06973	2.70071	4.63348	-0.13565	3.56E-02	-0.19022	2.73639	-0.99161	1.52774	-4.18E-02
1.53833	1.13068	5.55313	-0.90424	-0.15848	-0.12738	2.32977	1.1438	2.11325	-0.20956
2.69128	-0.2366	2.91049	-1.99957	1.86865	2.57092	1.92596	-7.19E-02	-0.84918	0.707092
0.930847	0.452484	1.90128	0.102295	2.86444	-0.30847	1.84848	-1.65884	1.33368	-0.25705
1.52957	-1.10773	-0.27982	0.191711	1.92004	-0.21036	-0.1496	2.19479	-0.16998	2.04242
1.74484	2.81693	-3.85486	0.592346	2.22888	-3.05371	1.9054	-6.00781	4.04294	-1.10721
1.38541	3.35596	1.47958	7.52E-02	5.30792	1.9747	0.352997	6.90356	4.85785	1.08713
0.836731	-1.81613	0.48291	2.6955	-0.25104	-3.83588	-2.98349	1.52554	-0.22949	-6.25E-02
1.18039	-0.94177	-3.57663	-1.15787	-1.77167	0.662445	-0.99475	1.78683	2.7049	-0.54273
1.17743	3.24478	3.41867	0.510437	0.869171	-6.70E-02	1.36151	1.39236	1.41907	0.427765
3.51532	3.68167	2.34015	1.44916	0.465668	1.27002	0.19101	2.81003	0.116486	-9.76E-02
3.52533	0.904449	5.05063	1.2692	1.71072	0.360809	-1.06476	1.06149	1.53729	-0.4718
0.655426	1.51373	4.55679	-2.24344	1.68878	1.74387	-0.35089	0.901917	2.65915	0.589874
1.22604	1.94397	2.70853	1.39969	2.2991	-0.1564	0.758453	-0.6796	5.29303	2.14236
2.4592	-1.37271	0.833679	9.34E-03	-0.90884	1.94733	0.461975	1.12698	1.38049	0.5849
2.38235	-9.24E-02	-1.08792	0.451294	1.50824	0.340942	0.500488	0.504486	0.555176	-0.39545
-0.64694	1.17908	0.918213	-0.81039	1.01575	-0.52164	-9.45E-02	3.70999	-1.54028	-1.69019
1.64203	1.25201	2.75845	-0.28827	3.55179	2.45929	2.37158	5.04239	2.61905	0.689606
2.9028	-6.55203	2.5459	-0.43207	3.97623	-2.59259	-0.1597	6.67407	0.384766	4.98172
-2.44476	-4.40924	-5.74161	-6.70218	2.17728	2.43341	-1.87329	4.85913	-1.67078	0.345459
-0.29733	-0.27368	1.58368	-3.76596	0.402313	1.48175	1.17825	3.90732	1.5329	6.75607
0.92923	0.183197	-0.20331	-2.53967	-0.52103	0.111938	2.85739	1.59924	0.854858	-3.65201
1.12302	-0.97263	-0.54205	-1.73065	1.73648	0.904114	-0.1872	1.22241	2.6795	1.73288
2.71194	0.346252	2.35712	1.3847	1.85733	3.70139	0.194031	4.55E-02	2.53287	6.97E-02
2.78482	1.28143	3.44861	0.521851	0.665375	3.73E-02	1.349	1.61331	0.178436	-1.60651
1.44604	2.95419	3.29764	-0.25342	-0.73129	1.03162	1.48615	2.9548	2.74185	0.891541
1.44989	-1.5459	2.14969	0.170135	-0.76675	1.65323	2.83466	1.46021	0.814117	0.9328
-1.83945	0.527679	3.13937	0.872498	-0.43475	1.46783	0.585785	1.67996	3.07019	-0.21915

3.23166	-9.74E-02	-1.3613	1.67371	1.14087	0.260254	-0.1835	2.57159	-0.5585	3.56671
-0.51297	2.05771	2.22964	2.97983	-1.07892	-0.3172	-0.62051	1.81519	8.58E-02	-2.84482
1.58798	0.768158	-2.07062	1.93814	0.834808	-2.11499	-1.20398	3.74536	4.09366	0.807037
1.34232	0.510956	1.7247	-0.1695	2.35165	2.11972	7.33752	3.84134	1.12381	-0.96616
-2.41852	1.71011	8.88199	1.00192	2.57013	6.02643	-1.68524	1.31982	-0.55161	0.969299
1.39053	3.81158	0.898376	0.377228	2.46045	3.14053	0.300018	1.99796	1.66486	-2.25992
3.28012	-0.14124	4.79605	0.804932	-0.99384	0.371307	0.736023	2.09732	4.67661	-0.46292
1.83023	0.237335	3.4577	3.09799	0.508942	3.12439	-0.13937	2.1857	2.92087	0.848694
1.51453	-1.44427	5.51511	2.67807	0.397369	1.14948	-0.19391	1.63559	1.21826	2.55099
1.61465	-1.77451	3.97253	-0.69751	0.329712	2.47491	-0.83234	3.4668	2.61063	0.691254
-0.39032	-0.14911	-0.26581	-1.47015	-1.12424	1.36331	-0.94583	-1.0318	1.9549	1.9635
0.719055	-0.90512	1.06888	1.26379	-0.73776	3.60922	1.51868	0.397064	2.07877	-0.94455
0.348785	0.755066	0.100311	1.68549	1.77576	2.85226	0.513	2.0029	1.43082	0.15033
-6.99E-02	2.186	1.97095	2.10745	3.08789	1.1673	2.6904	3.40161	-3.64536	1.89191
0.508911	1.45026	3.25418	1.48132	4.82581	-0.96478	2.88892	-1.43661	-1.06085	6.40164
2.30453	-5.34525	-0.98901	5.34113	8.75076	-0.21878	0.461334	-5.26727	5.10443	7.10706
3.53729	3.67212	0.720367	-1.43747	-3.508	1.81253	-0.80853	-2.03857	1.60922	6.77969
2.02551	3.28488	-0.20132	-0.89636	-1.07944	-0.13068	1.35339	-1.60004	0.525879	2.45697
1.27432	1.27438	2.48544	0.279938	-1.01083	-2.06281	1.17163	-8.32E-02	3.48849	0.764984
1.11865	1.87006	6.20001	1.879	0.410034	1.11911	3.00525	1.0654	1.13797	-0.2106
1.47324	1.08502	4.6976	0.925446	-1.01193	2.88718	1.6297	-1.83438	0.823639	1.20038
-0.54965	1.54648	4.26181	1.68167	8.55E-02	8.48E-02	2.62216	-1.8378	6.31613	2.13824
0.498077	0.307892	2.75659	4.56723	-1.50293	2.63052	1.63495	0.218201	2.02679	9.71E-02
1.28293	1.46469	-1.0437	3.2468	-2.46756	1.47543	-0.16782	1.96896	1.62408	-3.08774
1.23438	1.24188	2.2709	1.16739	1.34067	1.58334	3.41809	4.4151	6.02E-02	2.56442
-0.63486	2.1824	2.76636	4.35764	0.979187	3.01691	0.554504	4.60919	2.50565	-3.02942
-1.87231	5.35657	6.3653	-0.24408	4.06592	-2.8157	-0.48618	2.69379	0.342255	4.36743
4.76352	7.29086	-7.27441	4.31961	3.73328	4.79642	2.72211	2.23944	1.13763	0.322052
-2.46371	2.74942	-3.97791	3.93552	-1.51239	1.18655	3.35425	3.11954	3.7204	-2.095
2.38962	0.5401	0.827698	1.93713	1.49197	4.29782	2.1156	3.76956	4.09677	-0.18323
-0.95419	-1.21484	1.08783	0.948456	1.40656	1.67709	-0.55548	1.01672	0.274902	1.48178
1.23895	0.687561	5.91373	0.704407	1.75623	1.3949	1.84903	0.812897	0.56427	1.3472
2.54163	0.970306	5.0517	2.39655	0.811859	0.592682	0.436005	-0.4307	0.883759	2.07639
-3.36E-03	2.41699	3.24924	2.40399	-0.47049	2.10901	1.42654	-0.64362	2.73483	9.02E-02
1.91769	-1.62119	2.74249	1.22653	1.40686	2.35522	3.11206	0.860901	5.24652	1.28461
0.898651	0.945068	2.65128	-0.46399	0.358765	1.25763	3.59897	2.30246	-4.64E-02	3.06357
2.66046	0.94278	1.74741	-7.70E-02	3.99387	2.29825	3.77771	-0.22501	2.30191	1.36832
1.65555	2.60922	-2.74176	0.870239	0.878296	3.4093	0.888	1.98071	1.55826	7.0126
3.23709	2.94916	-0.3204	3.51404	-4.42389	2.83261	3.6011	4.50327	-1.69E-02	-2.65176
4.06894	3.14737	0.128296	2.60291	-1.37823	3.64484	1.00302	-0.28546	-3.30499	-0.11304
0.724182	3.34772	-2.19443	-0.73578	-1.98309	2.65234	6.06497	-2.76257	2.54141	-0.24521
2.02231	0.366699	-1.07962	-2.71976	-1.29434	-1.12949	2.24442	1.34216	1.33578	-2.51801
2.70282	2.61377	2.35333	1.66385	1.81207	2.29172	0.135406	-1.19379	0.243896	1.94559
1.21994	3.52563	3.37991	0.649994	1.03113	1.61261	8.64E-03	-0.46201	0.97937	-0.67111
1.98944	3.64203	6.6424	1.53964	2.89636	3.21848	1.5112	2.76431	1.64813	-5.01E-02
2.47455	4.02017	4.68433	0.616791	0.761505	2.7558	3.06937	1.5459	0.436432	2.39435
0.538788	6.75E-02	1.98349	-0.26907	2.59116	3.52252	0.442474	-2.66809	-0.54288	0.449493

0.517242	-0.86453	1.3385	3.32141	4.35486	1.35385	0.189178	0.556183	-0.88242	0.165375
2.89157	2.18127	-8.01E-02	-1.6803	1.74817	1.72095	1.86209	-2.4241	-0.25308	2.21002
3.19354	-2.54388	1.64786	-0.43488	2.54868	1.16852	1.1022	1.35889	-1.36346	-2.20282
4.51721	-1.14136	1.60797	-0.37286	6.97021	-1.66339	2.49481	3.22E-02	-4.85785	1.71814
6.14374	-0.77914	-5.9931	0.412811	1.95065	1.08633	5.71741	0.879639	-1.83847	-0.98395
3.50146	0.905823	-5.436	-6.79376	2.61111	-0.38556	-1.55975	2.66803	5.12402	0.236481
2.18521	1.45718	1.1037	-1.12277	0.633362	-0.90228	1.3779	-0.56543	4.86597	2.60229
0.78421	0.23996	0.437531	-0.24124	1.73267	1.50369	1.06302	-0.23038	0.127411	1.53519
3.96445	0.934235	2.59491	1.15939	1.39203	2.9649	0.435242	0.849091	-0.68863	2.6358
2.32114	2.27051	2.68689	-0.69275	0.388275	3.89948	1.18201	0.883514	-0.73544	0.1987
2.43903	1.73898	3.12424	1.11758	2.51401	-0.12259	1.77637	1.91049	-1.78815	0.419739
2.29449	1.52139	0.900787	-0.67587	8.03E-02	0.956329	1.95435	3.26779	0.14502	2.3266
0.824951	1.79147	2.62308	-0.8161	-3.38095	1.91412	-0.96204	0.639771	-0.48084	1.69467
1.61508	3.35907	3.431	-4.73599	-0.76694	-0.40424	3.36389	-3.9205	1.07001	-1.78238
4.64633	1.61151	2.81094	0.281342	-1.13342	1.33569	1.67319	6.77E-02	-1.82245	-1.7233
1.25378	1.92E-02	6.5152	2.42032	-3.56989	0.967896	2.9913	6.14508	-4.09494	2.23953
-3.48898	6.62756	1.34561	2.1554	0.613159	-3.51569	0.829529	3.19095	2.37503	5.54745
2.71548	5.62973	4.31598	-5.03E-02	3.09671	0.759827	2.74664	3.01584	0.262909	3.93158
2.06943	3.9024	0.70108	-0.97907	0.529877	0.281433	4.74701	0.787445	-2.15494	0.857269
-1.3013	-1.78903	-0.39935	-1.64325	0.148956	-1.7637	1.3092	0.523407	-2.02359	1.22888
-0.78546	1.13644	2.54453	0.463806	1.50394	-1.05609	1.18213	0.687897	0.517395	-0.53952
1.88022	3.06583	3.20151	4.85E-02	5.36E-02	1.48706	1.31119	0.90509	0.955536	0.510101
3.01743	2.61307	4.07501	-2.12161	2.38611	1.26242	4.19965	0.237701	0.987549	0.67804
4.3609	0.958893	0.210876	-5.91E-02	0.289154	-0.18799	7.15515	1.7016	-0.89951	6.7037
1.87875	0.666473	0.178497	-0.1304	5.62E-02	1.65735	1.22787	4.20068	3.24277	2.98126
1.12436	0.305573	1.76239	1.75049	0.300446	-0.43955	-1.37421	4.564	0.254211	2.35114
-0.21246	-4.6749	4.17615	1.29733	2.9751	2.55719	1.26828	6.86108	-2.18506	6.33438
6.8143	0.444641	6.11429	2.44E-02	-0.19489	3.80701	1.8685	3.86548	-1.08875	-2.98648
-0.50287	2.08835	3.40479	-1.66599	-2.05875	0.938019	-2.79538	3.11862	0.955933	3.24637
2.05328	0.516327	5.77527	2.52832	0.809814	0.631653	3.15665	4.83603	-2.63519	3.2327
3.73291	1.1138	0.5354	1.55304	-1.38095	-0.32138	-1.41501	-0.96744	-0.37643	3.09738
2.37332	2.98157	-1.12167	-0.75494	1.05026	1.5574	2.28192	2.53821	-1.5452	4.02487
5.18E-02	0.417938	1.22552	1.30569	1.24182	3.4549	1.97153	1.67499	-1.37332	-0.10181
1.07782	0.896729	2.77219	9.23E-02	2.28616	0.871674	2.1853	4.20279	1.46594	1.47739
2.05795	3.64307	-5.91E-02	-1.43811	0.603119	1.29752	1.74786	1.81909	-1.45706	0.279236
1.65839	-0.40491	-0.70532	1.20602	3.24014	-0.82459	2.66257	1.92578	0.732208	1.67621
-1.13196	1.24179	1.0936	0.488983	2.04855	4.12195	3.27158	3.35568	-2.32803	4.00916
0.520264	0.800659	0.787384	1.58179	-0.47385	0.807953	2.35641	-2.81021	0.824707	2.99442
2.70764	-2.19839	1.48334	3.92944	-1.32382	1.49341	-3.93109	-0.86371	-2.99655	3.30359
0.341095	-0.30243	3.16269	1.98553	2.27032	1.6774	3.84662	-2.72E-03	-1.69986	-2.05408
2.10913	-0.39813	1.91409	2.198	3.72586	4.47351	1.81573	1.90E-02	1.27753	2.57126
0.748779	-0.3826	-2.88693	1.61353	-1.25308	-1.26825	-1.55215	1.65921	-0.59079	0.785278
1.35172	-1.81329	-0.90732	0.777832	1.15985	3.03534	-1.58411	-0.51856	0.41687	-1.95721
0.16861	0.216583	1.43985	-1.06204	0.693268	1.23392	2.52441	1.71204	-0.18289	-0.44232
0.910553	1.43976	2.05023	0.221619	2.12332	4.3624	0.413635	1.53857	0.196686	0.333282
3.15884	-1.43198	3.97589	1.89716	2.91586	2.37756	0.375488	2.05069	-1.64444	3.02048
0.897339	0.810974	5.73444	2.78128	1.58652	3.32062	-0.74173	1.73138	-0.93668	3.61746

1.6467	1.383	1.0658	0.834839	3.35745	1.64554	-7.68E-02	1.29739	-1.1116	1.99521
1.32773	1.69958	0.907074	9.37E-02	1.63416	0.255341	1.33328	-0.68933	0.154694	1.45245
2.69946	3.32266	-0.83429	1.34531	1.84006	1.62155	-1.8956	1.95239	-1.0466	0.991211
3.61716	-2.10519	-4.93E-02	-1.96216	1.71228	2.5376	2.09039	6.9653	2.26413	4.5592
-2.51721	-2.96594	1.70468	-0.14478	3.99753	-0.9119	0.474213	3.74258	-2.52106	4.64224
0.593231	2.85196	3.0527	5.74811	4.95438	5.41324	5.82632	3.18863	1.48941	-5.54004
-0.49204	-2.29349	2.99258	0.387543	-0.66968	-0.81607	3.68576	4.04962	8.02E-02	-3.38281
1.43863	3.1684	3.4227	1.43552	1.30228	1.07751	1.47092	1.77277	1.80466	0.143066
2.60571	2.41296	3.51755	0.552246	1.22375	1.47751	3.63541	1.39041	0.243103	3.23819
1.92175	2.45013	4.79813	0.760315	1.16104	1.12799	2.29755	2.05798	0.824066	-1.03931
-2.29828	1.54303	3.85651	0.539856	1.34998	1.74658	3.57611	2.63721	0.996948	0.481873
0.746643	1.09488	2.59732	1.31189	0.254822	0.960602	0.241058	1.19229	1.69235	0.131042
2.0791	1.9126	0.161896	1.93143	-0.39743	1.33643	0.831055	2.8183	2.84561	1.50241
0.739746	1.69498	1.5047	0.513702	-1.22705	1.22543	-0.95593	3.70587	1.20648	3.40085
0.285858	1.51477	0.612183	1.09369	0.446655	-2.15265	1.61969	2.32498	3.2287	0.432312
4.27563	3.48621	1.16644	-1.85037	-2.763	0.603607	0.648987	2.13751	5.15463	3.17688
-0.22949	1.65524	4.92407	1.00253	-5.36539	-3.58359	-0.23819	4.24149	0.612457	2.97803
-4.67877	1.73535	6.29318	3.96231	3.04797	1.17374	4.83853	3.43573	-1.81647	7.00406
-0.34241	1.96252	-0.40881	-1.44006	5.59821	3.69205	2.93527	3.96252	4.5614	4.35318
-0.31598	3.1788	1.79849	-3.12228	2.12436	2.63043	2.15192	3.68375	1.20416	3.18478
2.94901	0.756866	-0.67026	0.533447	-0.55353	1.94382	0.779022	5.52603	-2.7543	2.13867
0.968658	7.31E-02	0.643127	1.93689	0.363831	0.498596	0.508423	3.90527	0.964569	1.78589
0.524414	1.07913	3.28281	0.305145	1.58917	1.75827	-2.21E-02	3.39169	2.19894	3.07758
1.62863	1.41708	3.50821	0.732666	2.43381	-0.92349	-0.33633	4.30609	1.20554	0.877045
0.729675	1.83109	3.08658	-0.22226	-1.08115	-1.59467	1.67667	3.79718	0.113922	6.56E-02
0.306244	5.42358	3.70169	-0.63461	0.60025	1.02173	3.18698	2.86328	2.85907	3.78406
3.39996	2.11728	-1.19699	2.67291	-0.94724	1.76755	0.124603	0.360596	1.74112	4.60983
4.88614	-0.81928	-2.68906	-1.83365	3.58109	1.7601	5.81061	0.51889	-2.80997	1.59891
5.77908	0.759644	5.15927	2.88083	1.41803	4.36862	4.2522	2.67456	-0.16284	-3.41837
0.807434	-4.61343	-1.55429	1.8139	1.49005	-9.40E-02	2.39963	5.78293	1.93311	0.679962
-7.73E-02	1.42313	-2.07141	-3.27856	-0.27887	1.70374	-0.63574	7.42664	2.82E-02	-0.64533
-0.10767	4.15228	-1.72223	-1.02148	0.954376	1.37933	1.4158	5.06345	0.212463	3.24567
1.10233	3.11548	1.32553	1.88614	0.744873	2.47079	-0.5853	2.55832	-0.71561	-1.48953
1.36795	2.08496	0.410004	0.219391	2.38583	2.65891	2.24734	2.5806	-0.57651	3.25739
1.90314	1.81561	1.90689	2.46484	0.285675	2.25449	2.10281	4.42651	1.13736	2.11319
3.04825	-3.76172	1.67001	0.947083	-1.4509	2.32822	2.17856	2.8555	1.60004	0.843658
0.791595	-2.4472	2.2644	-1.33865	3.29587	1.96112	3.70526	1.23648	0.279907	2.65329
2.22534	4.65509	4.58E-03	1.17331	1.28574	5.39563	1.41656	2.88217	-0.47751	-1.25275
2.18817	0.897675	2.4942	-0.63641	0.210052	3.21445	-0.22461	1.92279	1.4928	2.17102
3.09143	5.55E-02	2.37155	1.25455	3.93039	3.02942	1.93979	0.330902	2.26065	3.5423
0.57489	1.12994	2.28479	2.10953	2.61783	4.12662	-0.2601	9.27E-02	6.09256	3.09644
1.96414	-1.22363	1.7009	0.277496	-1.94693	1.33472	-3.40637	5.37622	3.13843	4.90866
-5.13681	-2.64429	3.33038	-1.33066	3.80991	0.925537	-6.25885	5.39581	5.02002	5.08267
-0.66669	-0.68741	-0.72443	-1.70248	-0.55972	-0.12378	0.415894	2.15344	2.12457	3.48727
0.122498	-0.77524	2.06644	0.116333	-0.86972	-0.47141	0.576813	0.728516	1.50119	1.51718
2.81586	0.305542	0.820618	2.04871	2.90652	0.618408	0.431732	1.27658	-0.56281	0.500397
2.21014	2.49933	3.60388	-0.31305	3.82397	0.669983	6.55E-02	2.4173	0.482239	2.56519

2.33353	2.87646	3.20273	-1.21811	5.69101	2.91562	1.34344	3.25449	0.371246	4.57635
2.59158	2.9805	4.16818	-0.82315	0.921967	-1.81128	1.68176	1.14609	1.31601	2.54291
-2.33627	1.92789	1.60867	3.29089	3.11896	2.75253	-1.00974	-0.60043	0.949493	-1.60223
1.49738	0.312164	0.591705	1.53839	2.01166	5.69894	2.69	-1.4682	1.85721	5.40991
4.05054	0.339813	5.44806	1.71893	0.822388	4.42831	3.7662	6.23541	2.18335	1.9061
5.88681	2.22336	4.13757	-1.47739	1.78302	1.1066	3.047	7.27518	2.94144	5.65152
3.29053	8.93475	4.35999	2.54382	1.25137	3.87982	6.08481	-3.06958	-0.54947	1.41577
3.02069	5.62921	6.04938	0.926544	-0.97357	-2.75677	0.786865	3.66122	-3.57388	-0.61572
3.08124	3.8349	2.32169	1.64471	0.165466	-2.09967	0.689819	5.13785	-0.57044	3.14868
0.785004	1.34418	2.59183	0.664246	0.633972	1.87082	2.26761	0.637421	-0.51639	-0.45163
3.37973	1.10135	4.39911	0.447693	1.98154	-6.77E-02	1.88873	3.72638	0.864594	0.155792
1.85883	2.07602	3.3197	-0.81274	4.71747	1.64978	3.42419	5.37939	1.05286	2.12048
1.37424	2.81528	3.63101	-2.60962	3.1048	2.6265	1.19037	3.8493	0.198944	1.39236
0.233398	2.9664	1.16998	-2.28506	3.31445	0.204041	3.71475	3.6781	1.52692	-0.7692
-0.26636	2.98917	0.447998	-0.53079	1.26474	-0.54236	-2.38931	3.38168	3.02829	-1.74445
1.69849	2.15308	2.80539	0.957794	1.69437	1.61166	1.5629	4.14359	-3.90948	-2.32098
2.60565	4.32971	4.72836	1.08035	3.93848	2.03659	1.01428	4.04639	2.25885	2.56738
3.98358	5.25156	9.75189	-0.18549	1.18143	5.00201	4.63412	2.79156	4.39566	3.54422
3.66562	3.62344	4.26721	0.434296	-6.79E-02	1.24261	3.85541	-3.49356	-6.44E-02	1.10867
6.08438	6.25452	2.17148	0.416534	-1.91199	4.07645	-0.69794	2.07874	2.3085	1.50549
5.73553	2.88269	1.5571	-0.80966	2.55325	1.44882	-1.06799	2.05264	2.67157	-0.24402
4.207	2.61588	1.28854	-1.17627	1.89767	1.38922	5.88E-02	2.87213	3.0452	1.76559
3.41183	2.81546	2.10822	0.224213	0.178833	1.9827	0.645721	1.73059	-1.44E-02	8.46E-02
5.03442	2.92062	1.98468	0.166656	1.36447	2.34296	2.9346	-0.16699	1.25534	1.93448
4.89035	0.545288	4.26013	-0.87662	1.8009	4.84149	-0.17844	3.13879	1.27243	3.20084
2.22159	0.691589	2.04459	-0.29205	1.92526	1.72214	0.837555	1.47299	2.8342	1.39279
3.27203	1.71838	-1.48831	2.63779	2.97946	4.05304	1.60696	3.41217	2.02219	-2.62015
0.519562	-1.64963	2.04651	1.98318	3.57547	0.351959	1.09631	3.93439	1.32101	1.15463
2.28763	1.54773	1.13104	2.28125	1.45178	-2.46899	2.76648	0.64801	5.59665	3.04599
2.7514	0.833771	3.67758	-4.76956	1.76822	-2.43509	2.53	-1.92072	1.58444	1.47165
5.66132	4.72336	-2.32541	-1.22528	5.87607	-1.32556	1.62741	1.00455	-1.22647	3.17706
3.92917	2.87082	-2.78873	4.48004	3.3782	0.104126	4.73145	4.37952	-1.0661	5.28137
0.620728	-2.18091	0.127899	0.936615	0.124451	1.91483	1.255	1.51346	-1.06464	3.25909
-0.2153	3.62747	-4.28E-02	3.74524	1.88336	0.995697	1.0787	2.21262	1.83578	1.7916
3.16174	-1.20514	1.69611	0.683319	-0.88266	1.57211	1.72522	0.742279	-1.3334	2.55649
3.03561	-0.59827	1.36591	1.46576	-0.40744	5.65808	3.8934	0.945892	-1.90616	-0.89362
2.23074	1.53937	5.25323	0.638977	-0.29749	2.26501	1.11206	0.46698	0.635742	2.35654
1.85599	-1.4736	2.1424	1.24753	0.328552	1.44873	0.714569	-1.21411	-1.9621	3.20511
1.59894	3.37677	2.78409	-2.17032	3.32956	2.01614	0.917786	1.64166	1.68E-02	-1.32294
-2.98071	2.37936	1.83481	0.453583	0.554443	1.35724	-1.755	1.3537	-0.20819	1.87311
5.99E-02	-3.08398	1.38986	1.85794	0.9534	0.207306	2.92029	2.73209	5.44324	1.2291
3.9075	-1.68304	1.64938	-0.49728	-3.14859	1.18539	-4.9227	8.32419	2.48996	1.77963
2.76083	0.107147	0.162903	-2.603	0.61908	-0.94428	-4.29929	2.88754	2.75281	2.85895
-0.31421	2.79071	1.21478	0.383118	2.88403	1.16873	-0.96643	-0.13678	6.1105	-0.53162
0.391815	3.0433	2.25449	1.97412	1.43515	-0.48447	0.992493	-1.76096	2.50458	2.43799
3.185	-1.18204	-1.37955	-1.12576	1.86407	0.562805	1.41882	0.236511	1.43939	2.9614
4.35455	1.57324	1.70273	1.93271	3.34991	1.79419	2.37085	1.24759	2.72189	-0.81531

3.66983	0.649017	2.11359	2.82135	2.57208	1.58057	4.16821	2.75812	1.32056	0.773102
2.76343	2.87469	2.25662	-2.00623	1.34671	2.6282	2.52847	3.16	1.91095	0.78775
1.63397	1.52E-02	1.9805	-0.30298	-5.08E-02	5.02542	4.29507	4.1929	2.823	1.89581
1.01465	-0.42722	1.85019	2.05508	1.18356	4.79623	3.26108	3.33618	2.44977	1.31265
0.972687	3.61786	0.134583	2.06689	3.83887	3.26944	4.1803	1.35867	-0.39139	1.22504
1.11963	-0.88287	2.83905	-0.67816	1.62997	1.82611	2.3699	5.91281	4.44485	5.53149
-2.54691	1.63956	8.19308	-1.68057	-0.83548	0.36792	6.9938	-3.03522	2.83347	8.76364
3.80292	0.735962	7.20679	0.862305	-0.81665	3.55682	3.23602	-0.17716	0.270508	1.95975
1.78848	-2.58719	2.80148	-1.64557	0.228821	-1.32077	4.39005	1.32483	-0.9071	4.26419
-0.28388	0.62439	0.887787	-0.63638	0.551971	-1.26257	0.916412	-0.58286	-1.03064	0.897278
3.11252	1.66608	0.782837	2.67773	0.110168	1.43759	1.93973	1.42374	-1.07159	1.94629
0.932739	3.09424	3.82913	2.2674	0.510742	2.6185	1.83334	0.583679	-0.47153	2.77789
-6.08E-02	1.03592	3.25479	1.77545	2.71188	2.57996	2.22769	0.132812	1.73315	1.54489
1.21213	1.55127	5.76062	2.72299	0.765625	1.70261	2.69485	0.686401	-1.09616	2.87094
2.36819	1.10971	3.1311	4.20334	3.71786	-0.67856	2.54205	1.78659	0.764709	2.29871
2.37793	3.65857	-0.21851	1.9827	-1.62674	0.351746	2.01328	3.54178	0.221375	3.86838
1.77618	0.358673	-0.16171	2.19919	1.93954	1.81494	1.87659	1.07288	1.64819	3.45303
2.36755	-0.79138	-1.98105	2.78015	6.9325	4.07071	3.93988	5.02841	1.45374	-1.58E-02
4.4158	2.50964	2.54498	5.45004	6.75732	1.3071	5.0679	5.93466	4.30444	1.76285
5.37482	0.667969	5.84921	2.39062	-1.75293	-1.89096	7.51633	2.05722	4.39502	6.22287
0.435089	1.78E-02	-1.37512	1.26712	2.93393	3.76694	5.88165	2.07141	0.953918	5.1944
3.52203	3.84448	-3.59222	1.99652	1.83325	1.97943	-0.24851	4.39307	1.57156	3.01877
1.2215	3.06717	1.20865	2.09296	0.936981	0.479919	2.10922	2.95532	1.28311	2.32E-02
4.18063	1.28955	1.1658	1.23071	1.07544	3.22E-02	1.78464	0.258698	2.73618	2.47629
2.61304	2.45801	2.26471	-0.17645	0.151672	1.17697	1.1257	3.25549	0.752838	2.59369
2.81833	1.82407	3.95663	1.35919	1.8819	1.77982	2.96417	3.86349	2.79315	1.49194
0.182495	2.0863	2.27069	3.58664	3.65356	1.12503	3.50546	3.18008	-0.37351	0.445099
0.723541	3.06729	1.93729	0.853607	3.78955	3.60425	-1.62201	0.952667	5.81E-02	3.04218
3.34366	3.13757	2.17081	-1.50671	1.42224	1.74704	2.04779	2.00589	-0.91721	1.08401
2.64655	2.311	3.18115	3.18433	1.03918	-1.82098	4.7388	7.58261	1.24466	3.42398
1.1373	2.56186	6.95389	2.68802	2.54373	1.79831	-0.6648	4.22247	4.36044	6.38654
-0.85797	3.18427	3.94919	5.57562	6.52505	-4.60059	-0.83679	-8.51E-02	1.75681	6.47067
0.498291	2.30072	2.7692	-0.24036	7.67361	2.68323	-0.51773	2.71112	-0.29559	6.71667
5.36801	0.725494	1.79279	-1.06448	6.09976	-0.85117	1.88492	2.90787	2.73346	2.79169
2.509	3.38467	1.32373	0.172241	3.43427	0.415802	-0.3523	1.47742	1.57501	1.67709
3.06573	3.27954	2.5426	1.3569	5.26294	0.470612	0.945526	2.87527	-0.28763	-0.67801
3.35574	3.44312	4.83798	-0.48184	3.50778	1.09647	-0.21079	2.08429	2.45615	6.70E-02
3.38004	4.86237	3.91074	1.65088	4.198	0.781311	-0.26233	2.19897	-4.78E-02	2.37766
2.39407	2.98969	3.57529	1.27765	0.79657	2.87363	-2.91705	1.55429	0.899109	1.96329
-2.80356	2.19769	1.63419	1.03421	0.982544	2.57703	0.831085	1.96658	0.931885	1.24716
2.07059	2.27008	-2.27771	-0.16559	0.139954	3.19965	3.45889	2.0394	1.02811	-0.41879
1.15115	-0.22589	1.47314	1.97192	-0.65701	2.95651	3.84308	4.53	5.16153	0.80188
2.95279	-1.13525	3.00699	0.976837	3.12393	0.987793	4.49051	3.44876	3.24966	5.48703
-0.68628	-0.35654	3.26221	3.03201	-2.21674	1.53021	0.951324	-1.76938	0.800232	3.85315
3.35757	-1.18E-02	3.23438	0.217438	-2.61227	1.91275	-4.52325	6.82E-02	-5.61508	2.20569
4.56873	2.72809	0.561371	2.37454	2.21536	3.16904	-0.642	4.75784	4.05096	3.14597
1.16162	5.22086	4.77563	1.83295	2.28796	0.217407	0.282501	1.89032	0.236206	0.332092

1.32544	2.04245	3.01251	1.99161	1.49704	0.65509	2.96664	4.28799	0.499573	3.5358
1.34833	0.985809	5.8215	1.77194	3.35477	2.32596	4.33789	0.815796	0.932037	2.26749
1.38535	2.96878	4.90063	1.69339	2.97421	2.97202	2.42337	2.69489	3.91302	6.06244
1.09729	2.42389	2.78848	2.10184	2.60745	4.44794	-0.79675	3.58179	1.9198	2.84338
4.12573	1.28098	4.32669	0.275391	2.70706	3.31113	3.46509	3.36206	2.03989	1.73495
-0.13062	0.720154	3.55371	-0.63379	4.42215	3.71036	1.33179	4.1362	1.60E-02	-9.67E-03
1.87683	1.63171	-0.18326	-3.23355	6.93228	-0.90921	4.68719	4.24551	2.98715	1.52789
4.9548	3.98706	-0.8204	3.23022	0.701935	-2.7272	4.04932	3.38107	2.32086	3.08084
5.61053	0.468842	0.972992	0.633606	4.25537	2.99344	6.15482	1.29474	0.453705	6.24387
6.23459	-5.01007	-1.91373	3.42703	4.39471	1.04895	-0.58185	3.40302	1.98572	2.52658
5.49072	-1.29352	-0.41623	1.61423	3.05365	-0.84119	0.130707	-1.68805	3.66708	0.388794
4.14371	4.79926	1.13E-03	1.63266	2.72906	0.540009	0.121826	-0.57297	1.3963	2.54309
2.59375	0.625336	3.24423	1.17371	1.47781	1.26651	2.98853	-0.17822	5.29E-02	0.601074
4.69333	3.63	5.5097	-0.14673	2.71857	2.30219	3.35849	1.82462	1.24493	2.23538
4.10522	3.08237	4.42734	0.279266	2.67172	3.4931	4.34256	0.641479	-0.24335	1.65964
2.45547	3.1207	3.5051	-6.65E-02	1.06744	2.07861	2.40335	1.2106	-1.2309	0.869202
2.29453	1.64597	3.87918	0.967285	-1.51254	5.15E-02	2.91928	4.26526	-1.59592	1.31537
1.05606	0.822662	2.3356	0.331696	2.93387	1.52914	2.95071	0.23288	2.021	1.74652
2.54724	0.788818	-2.33484	3.44012	4.06909	4.84921	3.11349	5.37631	-0.21857	-1.56192
1.7142	5.13446	0.636597	-1.04608	3.20013	3.62741	-2.02118	6.13019	0.903961	4.50482
2.61032	5.30777	1.08218	0.20932	3.85867	5.16202	-3.29987	2.90164	4.09561	2.68506
6.41489	2.57251	-2.49533	-4.58E-04	-1.07919	1.29434	0.955963	4.77881	-4.64709	2.15997
1.94592	3.79678	3.15558	2.07733	3.72E-02	-0.63889	1.90482	3.15097	1.25946	2.03998
1.86682	2.26556	2.03235	3.15924	1.14886	2.62271	-0.52368	3.43851	1.61261	0.928772
1.63635	3.45425	1.31351	2.63339	1.32373	2.53751	0.927032	1.72598	-0.18851	0.999603
1.82034	3.02261	4.80258	0.206146	2.24466	3.67126	2.0802	0.807312	0.207153	3.8342
3.29993	1.55637	3.18024	1.41467	1.36771	2.0174	0.853668	1.4425	0.861328	1.47836
1.5022	1.63339	1.8223	2.03552	0.189545	3.28934	3.28156	0.811707	-0.1329	3.15689
2.15045	-1.32932	1.59619	0.973602	2.31396	1.59723	0.282379	2.36618	-1.03433	4.48645
2.68936	2.42026	4.01471	1.2222	2.62045	2.86365	0.915314	0.362976	-0.13348	-1.40457
2.55594	2.63712	4.33054	1.68314	5.6716	6.68039	4.1098	3.83759	2.85016	5.64438
6.51511	4.10437	10.8127	-3.93817	2.01831	3.86801	1.91031	2.32376	-1.72784	4.35272
1.33844	4.34125	4.14569	-1.9765	2.63428	0.779236	1.45221	1.15173	1.29892	-0.78665
4.31509	4.12943	2.37598	0.758118	1.33493	5.53983	0.827148	5.95844	3.11011	3.67059
4.46353	4.2243	3.87158	3.49884	-1.83932	2.92572	2.12109	1.95795	-1.39902	2.76489
3.15292	-7.69E-02	2.23264	2.02454	2.46027	2.8378	-0.1807	1.69043	-1.7337	2.74609
0.921936	1.61865	4.36081	2.12979	2.95764	1.8093	3.53604	1.23978	-0.95892	2.05069
5.62924	1.56583	5.65781	3.10715	1.82767	2.26926	4.42291	2.69891	0.272736	2.36438
2.94333	2.98987	4.68613	3.61618	1.5448	3.55911	4.59247	3.552	0.288635	1.39194
1.13849	1.73831	2.4541	0.829346	1.03986	3.52731	2.61865	0.244385	-2.93851	1.7337
1.95963	1.75729	0.832001	1.06219	3.22345	-5.75E-02	1.78809	1.67548	1.74509	2.41187
0.75647	2.09396	2.00931	2.61359	2.19E-02	1.13116	2.04681	1.784	2.13391	5.46252
2.05603	2.49982	3.96036	-1.45526	-4.10742	1.40131	6.6553	1.0636	3.02686	4.91629
2.77859	4.17114	7.0246	2.90302	-1.80276	2.4202	4.57703	6.83527	4.72156	6.42E-02
3.57532	4.12564	3.31601	1.4324	0.659058	2.59213	6.02982	5.52252	-0.83548	0.538361
1.10587	6.58353	1.40509	2.17334	-1.32477	1.42035	4.24255	0.862732	6.1189	4.6091
1.44763	1.5506	1.19308	1.18134	1.48645	3.33612	1.2832	-0.20764	5.13235	4.12167

1.56311	3.56207	2.79834	1.11563	1.37387	0.312714	1.73611	-0.29178	2.7381	1.79868
2.30075	4.48645	3.71933	2.51071	2.76144	2.06479	-0.60526	1.3201	1.32239	3.88538
2.84772	3.91962	5.23828	1.40186	1.49756	0.306061	2.52951	0.948303	0.894653	3.7395
6.42264	4.98239	4.31104	0.638489	1.8071	2.76752	2.24927	2.72208	2.05444	3.96515
5.02499	1.13641	2.37128	2.51614	4.94095	1.70563	1.40085	2.99741	-0.20389	3.59259
0.763031	3.23367	1.94827	2.2699	1.83746	4.82562	-1.05243	-0.25943	0.571167	4.87787
-0.92984	3.35345	1.75821	0.901611	4.16785	3.54556	2.2225	3.3147	1.38171	-0.56549
-0.57565	4.28241	2.42575	2.66833	0.467194	4.1073	2.75E-02	0.961914	0.664856	3.91129
4.29901	4.99734	-2.7601	4.28741	-0.70477	7.19742	-0.33139	0.29718	-1.40985	5.27585
-2.88297	3.47025	2.34381	4.27612	0.580078	1.99771	7.19913	1.93954	1.99551	2.62866
1.56708	5.22101	-1.88873	4.53992	-1.50748	2.38495	3.23346	0.757416	8.9704	2.1904
2.67722	1.0744	-0.18991	-0.24558	-1.70435	3.96902	0.2453	-0.83106	3.18698	2.89667
1.25452	2.45837	2.90515	0.768158	0.230255	3.26282	0.128113	1.72351	1.68149	-5.01E-02
3.84674	4.41806	1.6723	2.08591	2.99173	2.0755	1.18182	0.435089	0.166595	-1.1658
3.79434	3.81262	4.30469	3.00095	4.81488	5.07678	4.57E-02	2.43829	4.34705	0.125397
2.75244	1.20718	4.21252	1.80579	2.80142	3.35892	8.27E-03	2.98538	4.03104	-0.76804
3.6301	2.0925	2.22888	3.92404	3.28867	2.60614	3.25967	2.57309	1.8009	2.78268
-1.64166	1.76907	3.1312	2.02859	4.26926	-0.93185	4.65479	0.375885	-0.50473	2.62497
8.84E-02	3.02496	3.13199	4.38269	0.66507	1.45126	0.789703	3.14359	3.00641	3.11603
3.96E-02	0.197327	2.81296	2.02893	5.12E-02	2.17819	3.19348	1.26208	5.28586	-1.03149
2.52798	-0.21024	4.87027	3.10794	-1.46786	0.979309	2.85452	4.11337	1.90656	5.11703
3.84103	-0.14993	1.03171	5.5065	-1.82794	1.30814	4.31152	5.19684	-5.01E-02	-1.36365
5.14279	2.4519	2.82578	3.64984	2.14551	3.20132	3.40054	5.90402	2.5744	-2.6741
4.08032	4.457	2.1319	2.18024	2.43527	3.57324	1.85861	6.84286	0.425171	2.75839
-0.16208	1.02216	2.25964	2.23593	-0.86585	2.86349	2.14581	2.88513	-1.66641	3.09848
3.08426	0.713135	3.25113	2.33691	0.365234	1.12161	1.04422	2.05917	0.344788	0.763702
2.05612	1.82581	2.76151	3.75424	1.01456	2.21176	2.34521	1.32651	1.27826	3.60519
2.80243	3.79248	5.15512	0.899689	2.3956	1.65939	4.02505	1.32898	1.28174	0.460754
-0.45541	2.67371	0.577179	0.103424	0.244263	1.70282	3.69635	1.6199	3.05441	3.79889
-0.45267	-0.28033	5.14258	0.998688	0.516541	2.84314	2.42056	1.52368	2.29138	2.86826
2.97806	0.89447	4.11731	3.4306	4.34967	1.84824	2.04391	2.75348	0.69809	2.09711
1.52945	1.16562	4.08765	-1.31036	5.76538	3.99011	6.14288	7.22369	1.30585	-3.00131
1.56628	1.74686	2.23438	1.87323	5.46051	5.7496	4.61942	4.77148	3.62585	4.95602
4.44342	1.13925	-2.86401	-4.66589	-1.78714	4.14331	6.54813	6.62415	3.35413	3.72656
5.02438	5.15421	3.89279	-0.36978	4.21851	2.55725	5.03635	3.68793	7.0224	4.8544
3.69101	3.27051	-0.90161	-0.41507	1.67258	2.82404	3.08041	3.01315	2.13306	2.80139
3.7149	2.16006	1.97183	0.371155	3.39706	0.892303	1.12372	0.64743	2.03641	2.43188
1.80975	1.04376	3.38623	0.741516	3.97714	3.65521	1.27405	1.28049	2.08078	4.72369
2.04724	2.26663	5.10699	0.575958	2.83817	1.55688	2.20569	0.225189	2.09436	4.6893
1.35245	5.73608	4.03574	1.29218	3.02863	3.8598	1.88885	2.87158	2.66565	3.92444
2.00739	3.38379	1.04959	0.575226	4.32547	1.17892	3.03525	2.60638	0.501404	4.68781
-0.39017	4.04758	1.25119	3.29089	3.49884	0.722443	0.687164	1.24417	1.61957	4.48007
4.35947	2.32376	1.6817	3.50571	2.59305	4.15225	2.50909	4.41937	1.18289	4.53323
3.66583	1.86111	4.12775	2.00925	5.914	4.13211	3.65131	4.92691	2.91916	6.91E-02
5.6629	3.33817	6.23038	1.55634	3.34033	2.4379	0.669525	2.68088	5.48114	2.50165
3.15582	5.70425	5.4155	-0.27399	1.99976	8.75601	-1.28049	0.130829	0.140533	5.74255
2.23407	-1.34598	1.57947	1.89243	4.10471	8.73624	1.32236	-1.29736	3.66132	3.9733

2.60141	0.777283	-0.20163	-0.44086	1.82236	1.89252	1.8866	-1.20813	3.51855	2.56189
0.79071	0.904572	0.920624	2.05585	2.09637	0.279297	3.5173	1.09772	3.98071	2.85367
3.20105	4.29935	2.19791	1.37909	1.82443	1.87961	4.12305	1.6597	3.27518	1.5434
4.03772	3.30942	1.70871	1.63455	1.41208	3.15408	4.44299	3.21521	3.98694	-0.40183
2.82013	5.68939	2.62231	4.11807	1.1163	1.87332	1.75806	4.13229	3.15323	0.358063
2.28088	2.94299	1.61768	2.48782	-1.49765	1.46872	0.515656	-0.6004	1.62692	1.1694
1.73535	0.738464	2.16049	3.12338	0.323639	0.187225	3.12509	3.57718	3.78036	0.719971
1.98468	0.398682	1.69339	3.0542	5.49567	0.888336	4.5173	3.3172	2.72562	4.40121
2.85934	0.985504	-2.90976	5.03574	3.52017	-5.4772	5.151	4.93201	-1.67044	2.41541
5.37408	2.70276	3.25229	5.20383	1.58173	-1.25629	6.80252	6.43127	5.03094	6.42532
0.738922	5.60046	2.1507	4.25592	-1.28442	2.06473	6.17773	-1.52228	2.83731	2.13287
-1.61011	0.212219	4.40527	0.35614	1.84253	1.39145	-1.28314	4.78851	3.73392	2.19827
-0.31467	1.3183	0.6539	1.07333	3.82886	1.08212	0.596802	4.06625	0.547455	1.19958
1.33301	3.07697	1.08273	1.21243	1.16666	2.63501	2.00293	3.21982	1.5824	0.695892
2.91306	-4.94E-03	2.05063	2.0517	1.05563	1.63461	4.01654	3.03909	1.3671	1.7244
1.82352	1.17752	4.58798	1.87915	1.06436	2.81268	3.86679	0.679199	1.50305	3.7294
2.50345	1.42487	3.12912	3.39157	1.93591	2.64032	2.88596	0.713593	0.93045	5.00385
3.43887	0.609009	1.05609	3.48975	4.47095	2.45343	3.33417	0.765106	2.09579	0.941193
3.34875	1.54688	1.17657	2.96399	3.39874	1.40524	3.84268	3.17606	4.70679	2.57086
-0.45752	0.419952	1.54568	2.52618	2.23566	1.92194	-0.3717	2.14288	5.09351	-0.59537
2.26926	1.82172	4.17014	3.69635	2.3689	4.1647	2.19159	0.940002	2.00574	-0.10031
5.01721	4.04425	10.7778	2.94733	6.30972	6.35941	4.11331	4.68347	1.43396	0.720642
3.91992	6.41437	4.39719	6.97522	5.29196	-0.88117	1.22882	6.67383	2.41162	5.95047
3.95908	6.54602	0.128387	1.83932	2.9595	4.45505	-0.32816	3.34882	2.54971	2.16528
1.36002	2.0766	-1.29791	0.476715	1.92056	3.30E-02	2.54691	3.55795	2.12656	-0.22852
1.7507	5.16098	3.76144	1.72916	0.408752	1.0412	2.36472	3.08743	0.925598	1.90619
3.40863	2.72006	1.41083	3.22501	1.30634	2.57309	4.36743	3.96179	0.599182	0.261078
1.67682	3.54202	4.08798	1.99915	2.59897	3.90948	3.46881	3.35822	1.95074	2.0062
4.19815	3.90869	5.56223	1.03418	1.19891	4.09811	3.69556	2.98709	2.02304	1.54724
3.48618	0.531494	3.44009	1.03983	3.28885	3.42734	3.15866	4.6019	3.07672	0.956299
2.64444	2.00827	1.0152	1.71811	4.19275	-1.29846	3.45969	0.152679	1.01117	4.52737
-0.64832	3.39355	0.172211	3.29761	0.273865	1.62305	0.987915	6.48169	1.50882	-1.42776
-6.56E-02	1.95441	2.34045	-1.76715	-1.32742	4.93271	6.47571	6.53809	2.64896	-0.22171
4.73929	5.80536	5.5571	-2.33578	-0.36997	2.33621	6.2088	7.06488	4.67184	5.97772
-0.39047	4.98944	8.3418	5.04062	5.17047	-3.25906	3.49283	2.34064	3.82373	-0.90924
5.20929	6.44193	4.90619	-0.39896	2.34641	3.87292	1.05206	5.01984	4.97192	-2.59912
1.83713	4.21118	1.2724	3.59662	3.55765	3.43793	2.48239	1.83636	2.26428	1.40469
1.57492	2.62115	2.73795	0.503235	2.59677	4.56509	3.20633	1.91452	-0.31519	0.441071
2.29416	1.96396	4.19922	3.6351	2.38712	2.62949	3.41785	1.63379	0.247681	0.922791
4.52914	2.56693	5.48151	3.36816	1.37708	3.87146	3.31921	0.839996	1.35333	1.82849
1.72354	0.254974	3.42914	1.78629	0.340302	3.53522	3.62167	2.48257	3.19095	3.73096
2.40198	1.25519	2.01718	0.711029	0.860443	4.39673	0.963562	2.52798	-0.2767	0.252106
3.05893	3.60947	2.19919	1.42E-02	0.186554	3.78152	1.89526	3.90646	2.51959	1.34E-02
1.86557	4.08987	4.13101	1.9126	2.62094	3.35056	2.31271	0.113495	1.9382	0.906128
2.86124	6.20453	1.25256	-0.10516	1.84628	4.46262	5.06268	4.55399	4.11426	-3.2489
2.91089	5.53265	5.25598	-0.39017	2.26532	7.87781	4.35202	1.59317	2.93896	0.517731
7.21323	5.83096	4.49881	3.46231	-2.20273	1.80963	9.37253	5.80554	1.61121	-0.34235

5.13907	3.9671	3.63879	4.61932	0.391205	5.27365	3.49786	2.71521	2.32651	2.13098
2.24881	3.29828	2.98938	2.79993	-2.53754	1.95102	3.68701	3.62396	0.204071	1.86679
2.19482	2.68927	4.77603	3.33884	0.242676	0.891693	0.727325	0.69281	1.10901	2.57489
1.21234	2.65884	7.81003	2.00369	1.59943	1.42358	1.84894	0.656494	0.508972	3.15598
4.08093	3.87311	1.85181	3.11856	2.43839	3.85687	3.20309	4.01831	0.482239	3.12738
0.275848	3.89999	4.70291	3.27579	1.14911	1.96011	4.32425	2.77829	0.102631	-0.43726
0.369202	2.08371	3.43918	2.24124	2.29297	2.30432	4.22156	1.4451	3.94131	1.8981
4.54343	-1.32831	0.263794	4.16199	1.78955	1.00073	1.17697	2.12317	1.62619	0.16687
2.88666	4.80E-02	-2.26401	4.25461	3.82367	2.70026	-4.29E-02	5.20047	0.589111	-0.96637
1.85965	3.76862	2.87656	4.27612	4.86899	7.20419	0.400787	1.86719	6.52533	-0.11981
3.88989	0.789246	5.20059	6.94434	5.06192	2.51901	3.50922	5.22476	4.22055	-1.51566
1.83963	3.55444	4.6936	4.29111	1.51978	1.11362	2.36041	7.59473	-4.74139	-0.25024
-1.01883	-0.15927	2.01947	3.56082	2.19101	2.38184	-1.44745	5.81161	3.71472	6.7056
2.26572	1.85901	0.310394	4.67404	-1.33643	0.627838	0.68042	4.18796	1.05688	1.57388
0.604797	0.889771	8.62E-02	2.30005	-1.30695	2.7536	0.325409	3.19763	-1.02829	0.672394
3.04953	1.57654	4.17343	2.57062	1.66241	3.88431	2.60922	4.98068	2.59238	0.508179
0.452118	2.42413	3.91391	2.29846	2.09808	3.72736	4.2883	5.05789	0.387848	4.05988
3.30554	2.81918	3.46542	4.12918	1.23581	3.98291	2.85666	5.2623	-1.00107	4.06625
3.0784	-1.42389	-2.02341	3.80212	1.03006	1.66782	3.13596	7.1384	1.4166	4.17581
1.70154	0.216492	1.41968	1.1691	-0.74515	2.56134	1.34189	5.31546	0.993073	1.79825
2.98969	2.54358	2.6438	1.86288	2.65634	3.24796	0.457001	5.25137	1.42032	2.11053
4.24673	-0.5799	2.66504	6.73724	0.76828	-1.17969	3.4577	1.96429	-0.26636	5.6217
2.10471	5.14966	3.59747	0.853516	-0.40729	2.72882	4.1105	4.32486	1.16055	6.65363
1.94342	1.87805	-0.86002	2.11E-03	9.97687	6.61292	3.21762	3.43573	3.99612	5.52206
7.09729	1.88052	-1.02042	-5.19498	2.91013	3.56995	3.24695	5.84851	7.1207	1.23077
4.24033	0.355408	4.21448	-4.23898	1.95306	3.38974	2.8432	4.62177	0.54776	1.88989
-0.22	3.54016	0.188324	1.50494	0.361755	1.10422	6.81E-02	0.60022	0.638611	-1.67642
0.996552	2.87695	2.80493	2.28931	1.36462	3.7562	2.28003	5.6644	0.39917	1.6496
3.37122	4.42911	4.478	2.28955	0.539581	2.98618	4.4314	5.27829	0.294556	2.41537
4.74823	5.20087	4.09033	2.61917	3.69641	2.78909	4.20505	6.10019	2.59354	2.53366
2.50208	6.1445	2.26968	4.09924	1.17337	1.84592	2.63586	2.83411	4.15512	-0.1442
5.03235	0.917175	1.25558	3.5762	4.14914	3.02524	-0.42374	4.83307	3.29199	2.90796
1.46216	1.84796	1.75211	3.8782	3.50656	4.63834	3.08121	1.655	3.29309	1.80731
3.50754	4.28882	5.32294	4.49445	2.06619	4.34171	1.77258	6.52289	1.46735	5.34799
6.32639	3.73505	3.44339	2.94803	2.09052	5.2045	1.96442	5.02277	-3.49203	-2.53177
8.32544	3.80347	7.19571	5.1904	0.562653	7.32593	0.599213	6.12793	0.135834	2.32175
3.90878	4.44992	4.56549	4.46124	-1.70117	-1.26285	4.24597	4.21573	1.177	-0.53381
3.43161	3.66019	2.49417	-0.55127	2.19095	0.863342	-1.35379	0.804565	1.42166	0.767395
1.7012	3.62088	1.64484	0.94104	4.13596	1.48691	1.67191	4.51721	3.36249	1.83887
3.43665	2.33514	1.85031	3.4093	2.21973	2.56711	2.19144	2.63687	0.586578	2.73068
2.26984	4.41071	4.8447	3.36435	2.63708	2.83109	4.07532	2.228	1.06174	3.31259
4.78354	2.81729	2.38742	4.74387	1.15591	5.0979	1.73477	2.3989	1.75684	2.94986
4.9971	5.39981	4.74768	2.88223	0.846252	2.86713	0.752747	-0.29269	0.522003	3.8591
4.76004	2.23489	2.46127	2.4483	2.96225	5.96875	2.02899	3.87408	3.52267	0.569672
4.13028	3.88007	1.92569	3.45911	3.39825	2.43274	1.82251	1.7699	3.0809	2.48923
3.22983	2.29053	2.82095	2.99142	-1.64792	1.53632	4.1297	7.57739	4.19156	3.3848
-0.64459	2.95905	-1.38202	0.415833	-1.16599	-0.8595	3.71301	8.78989	4.11874	0.395142

1.14554	2.64386	2.45441	5.5994	4.29218	2.21423	6.60013	6.12674	-0.52268	-1.47723
2.17459	6.95761	1.14917	2.20203	4.25421	-1.13797	2.05426	5.58743	4.05212	5.3071
8.36343	2.1427	0.837097	6.62E-02	0.787567	1.06772	-7.09E-02	0.871063	3.03766	2.09619
-0.18628	3.17426	1.45203	1.76004	3.61526	2.54752	1.93091	4.02182	2.61569	2.0145
1.77866	3.53094	2.03552	2.388	2.46732	3.59131	0.679932	2.73477	1.03079	1.04138
4.98203	2.85773	6.59689	2.23297	1.89487	4.93127	-1.08E-02	3.00259	4.80225	1.1481
4.23334	4.41818	5.70734	3.37277	4.39621	4.8887	3.08957	2.24557	1.74634	3.64365
6.43939	3.0062	4.18259	0.773529	3.98276	3.29813	0.633453	2.67648	1.0239	4.64291
3.38184	3.95239	2.72787	1.2316	4.26196	0.80954	0.230865	1.54367	2.34427	3.89307
5.71277	3.16586	1.3736	5.60748	1.14E-02	1.10635	1.4548	2.46799	2.05182	0.202332
5.68195	1.1853	-0.18427	2.89105	1.13199	-0.29721	1.99658	6.55289	5.36563	-5.202
4.37369	4.35605	6.92337	3.58292	-5.03E-02	-4.54428	6.6239	1.36487	4.53986	2.68942
5.65204	3.96695	6.15869	0.342896	5.70737	6.47E-02	1.27533	-0.97638	6.80823	6.13065
3.43417	4.1488	5.44318	1.43982	0.137604	3.35184	-0.42215	0.498535	3.89871	2.82907
0.438629	3.33099	2.655	3.01752	-1.59323	1.46103	2.2605	1.71606	-0.42764	1.88739
-0.7861	3.48517	2.20145	2.49625	2.05206	-0.4856	0.650208	1.64172	2.03979	1.13379
2.18103	4.31494	4.16553	1.6716	2.20044	0.973785	2.19064	3.29977	0.122589	0.957275
2.61902	3.70712	5.87558	2.40814	4.03128	4.60718	1.99631	2.8407	0.558746	2.1387
2.70715	3.28149	1.87912	3.63358	2.87201	4.97189	1.92935	-0.6532	1.28195	3.10046
3.73477	3.2728	0.911194	4.36514	2.81787	3.86362	3.58786	2.59549	0.590118	0.979889
3.23175	5.96497	2.8028	1.9975	3.52344	4.97012	1.61877	1.31598	0.791382	3.52185
1.87738	1.80627	2.27438	4.84409	0.820068	2.83755	1.06091	4.30899	1.78781	0.212311
2.01566	3.15451	1.47214	2.19055	5.29459	5.30692	5.78488	7.59659	2.42294	3.96539
3.42899	3.47217	2.52899	3.85712	5.74033	4.33261	3.83841	5.04416	4.19345	4.32773
8.41803	6.78494	4.97281	3.86581	2.58926	1.15933	6.52142	6.10724	1.68951	1.11035
3.71878	3.39041	3.75589	1.58453	3.63101	0.902039	3.78665	5.24872	5.58121	3.94839
0.818634	2.2193	3.45297	4.97824	3.38666	2.34274	1.19812	4.27026	1.00858	0.372589
5.01141	3.51385	3.97623	5.25653	2.13547	1.03619	0.62973	-0.36148	4.03809	1.74258
6.39465	2.22314	2.52631	2.9455	1.78384	3.1413	4.45294	0.796478	3.75818	2.26669
3.61234	2.64673	4.42108	2.65137	2.42618	4.19247	5.33261	2.78751	2.64606	4.10638
3.68903	2.15598	3.50623	2.74289	1.08182	2.5405	5.81467	3.77039	7.40854	3.07254
3.198	1.1651	4.39648	3.34955	3.19287	3.01624	3.39047	2.16278	4.91641	7.02341
2.71103	5.19019	-0.58301	3.0675	3.81146	2.39694	1.14499	3.50128	4.16058	1.13727
3.01318	3.77826	0.790405	2.07019	2.86584	3.37094	-0.34079	2.46347	0.70459	4.50323
4.61005	2.25851	1.41635	0.445129	4.23749	7.5394	1.7327	3.42319	5.80066	4.17319
6.42041	4.93326	1.56708	0.20462	-2.04849	5.81351	3.26392	5.38599	3.27206	10.2445
5.14182	6.02396	4.12228	3.15421	3.09045	3.63544	3.27502	7.87485	3.83463	-2.42593
2.67389	4.70081	5.69989	4.08014	1.70422	3.13934	2.46985	6.60602	2.76401	2.28699
4.51901	4.42569	5.06439	4.02573	3.62146	1.69122	3.6586	0.541168	1.66586	2.60809
3.88742	3.44168	2.56583	3.99704	1.29398	1.90161	-0.31018	1.22223	1.71741	2.81799
1.46945	4.04535	2.12213	4.70972	2.86963	2.24078	1.62704	4.29269	1.64468	1.2793
2.44962	2.35483	4.77161	4.01566	1.91168	2.21817	1.82712	1.2569	3.67444	3.66608
4.72534	3.56149	4.30862	3.60419	2.7908	5.37759	3.61795	2.66	2.72803	3.13034
2.82178	0.207306	1.52078	6.00192	2.61157	3.80023	3.84787	2.29059	1.56491	5.19791
3.41443	2.66687	4.76349	3.78391	1.15414	0.992432	2.70877	3.61157	2.96869	2.63876
4.91617	2.95996	3.54251	2.95718	1.49084	6.66266	1.1875	3.93488	3.11691	1.25873
6.21365	2.90402	3.09686	4.14734	2.24899	6.70901	6.189	1.97739	4.04544	0.24649

1.06448	6.54297	8.32547	4.76752	6.38922	2.69412	5.09442	4.48236	4.72205	3.96664
-0.15369	6.84915	9.1012	5.8316	7.63446	1.21011	5.12683	6.08932	3.83112	5.11826
0.536469	5.17502	1.25247	3.20273	5.89761	2.66995	-2.11356	6.02481	5.11151	2.97559
-1.14447	2.26669	0.927185	1.60944	3.46E-02	1.92142	1.96359	6.82697	2.77228	0.57547
4.80661	2.00467	4.99423	2.88425	1.90518	2.9931	4.94333	6.16544	1.61469	1.66168
3.56195	0.769745	4.12372	4.04471	1.56631	2.20361	2.81064	2.05957	1.37439	3.12558
3.49612	1.61572	2.68109	2.20255	0.78006	3.03146	4.2952	5.4649	1.84573	2.43939
3.15054	3.46667	3.41711	3.09668	2.46072	1.24121	4.07526	5.77188	2.83493	2.00754
3.27338	2.832	2.97809	4.47412	2.63516	9.60E-02	0.172974	3.936	0.962219	3.68689
1.31873	2.73727	6.0076	5.026	6.16525	1.19553	0.443665	3.01096	-0.22903	1.27527
2.69876	1.45895	3.61279	2.6069	2.94025	4.00424	3.49139	7.50809	1.2652	5.79181
0.552246	0.861206	4.33255	1.21445	-2.0199	3.41791	2.48898	4.45389	-2.37524	3.9642
4.12659	4.24417	4.88269	3.73734	4.25003	6.91321	1.0762	5.05048	4.03714	5.47794
3.82074	3.62027	10.0872	6.84332	3.35095	4.36432	8.30E-02	10.0501	-0.9549	7.08987
5.50299	3.2713	4.68719	3.89902	1.86081	0.723145	6.31625	5.61072	1.82452	1.96667
4.72531	3.11029	-0.13391	2.20084	1.69836	0.822937	0.795105	4.05505	1.74606	2.38828
2.17831	3.16968	-0.73935	2.86246	2.12787	3.07901	1.79202	2.14551	0.243713	-0.14621
2.88763	4.23013	2.94922	1.92032	2.90323	1.073	2.30835	3.45999	1.84479	-1.3262
0.597931	4.42163	3.17911	2.66147	4.93787	1.89697	2.66861	2.28281	3.31204	3.2215
1.61172	1.83887	5.21643	1.94858	1.87381	0.802094	2.71997	2.4823	3.59604	2.78125
2.4473	3.76221	2.4556	4.53394	2.58856	5.50131	3.63675	4.94101	2.90332	3.8703
1.31985	1.77399	0.902588	3.8237	-0.70505	1.10965	3.23196	3.01038	5.12357	3.19138
2.95377	0.812561	1.9147	3.36621	1.25024	4.14594	1.33359	4.0376	4.75522	3.02692
2.07745	2.01483	6.04755	4.07474	4.92899	3.9209	4.0755	3.93839	2.33273	3.6423
-2.0351	3.28687	2.89249	6.66644	-1.48929	6.17E-02	3.95853	3.89627	5.47574	2.24002
1.22653	1.52554	0.778412	5.2597	-2.61673	2.36032	2.21323	5.34903	7.69632	-0.89603
0.259186	4.19031	-1.97363	3.57303	1.81732	1.46234	4.05576	3.65173	0.838623	-1.48511
1.57141	5.39459	0.530792	6.46802	2.74377	1.62683	0.3508	0.587769	0.722961	-3.14111
1.23691	1.75427	3.79474	2.04306	2.37558	3.81271	2.16083	3.88873	0.753784	0.770782
3.21164	3.27475	3.77682	3.8302	1.25494	2.74109	2.26004	1.7103	3.06897	1.02148
1.22372	2.70871	3.66501	5.62436	3.69058	4.30927	2.88391	3.9375	1.88354	2.45819
2.55753	3.12817	2.79251	5.00229	2.13971	1.23199	2.11206	4.8819	3.17053	2.07794
3.19589	-0.72821	4.55719	4.17642	6.76007	1.03513	2.15616	4.56531	-1.242	0.331085
3.88754	2.58588	2.71417	4.1846	0.103943	6.87762	-4.14E-02	3.70789	1.47739	0.115265
0.881561	5.58728	4.3382	3.36868	3.42166	3.70865	1.97189	2.5882	2.61389	2.35654
1.32965	-1.69217	0.895844	2.24664	2.431	0.981689	4.41791	6.74619	4.35254	3.20349
0.97171	2.18695	8.09879	3.76343	-1.78E-02	6.04681	3.96793	5.36008	0.951538	5.79202
6.48813	3.25037	4.83469	1.71552	4.45407	2.84491	5.67911	3.96472	-1.35397	6.88925
3.49847	0.305603	4.19067	0.25293	4.49301	5.05435	6.32266	4.42642	1.22211	6.60349
5.56064	4.11499	2.39728	5.09702	1.23376	4.30032	3.79221	7.04337	2.73468	6.04858
3.8927	3.62906	1.63403	2.28824	2.59515	5.15491	1.12961	1.84512	2.50409	1.77319
1.26855	3.94986	6.25153	5.14441	2.93152	4.1449	2.16522	1.40457	4.2804	2.77579
2.16104	3.85361	3.17938	3.99124	2.20267	6.71686	4.59851	0.747192	2.86664	3.54858
4.75864	4.99197	2.68564	6.00238	0.358704	1.63501	2.39935	1.03668	0.283051	0.679138
2.353	1.8667	1.16418	2.83823	2.60666	3.09412	1.23776	1.401	-0.24908	-1.38062
4.00204	2.21387	1.7883	2.30069	4.31256	3.66592	1.95389	1.62677	2.17477	-1.42184
1.48016	1.30136	3.4693	4.84869	4.59427	2.78195	-3.74271	3.42007	3.71759	3.52692

4.21753	2.61682	4.74866	4.24133	3.1033	6.59619	0.204803	4.31519	5.25406	1.207
6.88831	2.68945	0.514893	1.70563	5.51303	2.1608	2.1633	6.55109	3.71246	4.96094
4.51822	5.87106	2.853	2.4819	3.48346	0.767731	2.95312	4.59164	1.08301	4.04266
1.40979	5.84232	-1.77621	6.67853	2.79572	0.397827	6.92105	6.32721	4.82281	4.40817
4.11752	2.17349	2.00119	4.80362	1.32596	4.14862	2.27481	1.76395	1.50256	2.43359
0.885223	2.81186	0.340851	2.63614	2.17947	2.31271	-0.12958	2.02051	3.9173	3.47989
1.64954	3.83414	2.14111	3.52991	2.96841	3.56561	1.80765	1.68909	1.26208	2.54318
3.90924	3.01071	3.4736	3.01254	3.96298	3.87769	2.30301	1.6449	5.32175	5.71088
1.58115	3.62787	3.40714	3.21277	4.63593	3.18359	0.772644	2.03928	3.52383	1.80164
4.97809	1.74771	2.9812	3.24893	6.68774	0.267517	3.12006	3.33109	1.76651	5.4404
1.47913	4.05258	2.09659	3.95761	2.98724	5.65784	4.97598	4.36108	1.01407	3.49377
0.45166	1.75928	2.55429	5.96249	3.03265	6.62756	0.817596	0.618195	6.10739	2.89182
3.34985	4.57812	1.24493	1.66873	4.07858	4.371	4.37329	-1.07721	5.51913	-4.66922
2.31989	-1.80414	7.0524	-1.91107	5.95343	5.44641	5.0936	0.674561	8.05414	-0.41147
3.96793	7.31647	8.05731	-0.66898	4.48355	4.37851	-0.55417	4.18982	5.41153	2.51767
1.88089	3.92111	8.6749	1.61542	5.02271	2.80713	4.50977	3.41061	7.4585	1.47049
-1.86868	1.3681	4.46707	2.60934	5.08206	-0.30338	1.60901	2.32257	3.26926	2.33597
1.9216	3.89856	4.77554	1.02594	5.05615	2.20889	1.92923	2.50073	3.88089	4.21829
3.41266	5.48373	5.81271	2.4415	1.72952	3.28049	4.28784	2.34808	4.50027	2.0549
2.12964	1.39261	6.08148	1.71786	3.80426	5.86407	4.30609	4.77481	2.06354	2.36539
4.39175	5.33398	6.24481	3.11768	3.86502	5.86771	3.06656	3.3508	1.79675	0.273254
3.2323	2.39899	3.86188	3.28964	5.22784	0.520142	2.36856	2.18658	-0.83701	0.552002
2.38123	1.75616	-0.2388	3.0155	2.73184	9.80E-02	-1.24692	1.19998	5.71518	5.71E-02
1.84479	1.89847	0.207703	2.71869	4.12634	6.99744	1.20279	3.77399	3.94092	1.35153
3.56586	3.56442	6.77264	1.37784	6.92429	5.95639	3.98248	5.23318	4.14343	1.2832
6.47269	2.22595	7.25247	-3.48746	1.07071	7.18671	4.9303	5.47418	7.83154	-2.84467
4.24683	4.59375	6.25839	-0.56528	7.05377	6.28021	7.82681	9.11584	4.90051	-0.27795
6.55969	4.8486	3.99338	1.01083	0.341003	-2.11615	2.48376	5.74023	4.74112	3.27219
6.07474	1.3038	5.13937	3.92493	-0.48904	0.976837	1.9408	4.13605	3.79028	4.70978
3.0571	5.85507	2.40942	2.02655	1.37405	2.1037	0.726501	2.29044	-0.38739	3.41919
4.90485	1.90674	2.14761	3.82809	4.16422	4.68149	1.79974	3.23477	2.57187	1.6972
5.39584	4.22211	5.35089	2.73254	3.75888	2.24377	2.9332	4.03632	2.11523	1.26978
4.09305	2.56259	6.46701	5.12527	4.69	1.9071	4.19205	3.71158	1.71225	2.01105
2.991	3.23431	5.9664	2.36752	1.24664	2.13983	3.26746	4.1037	1.6409	2.9812
0.969543	1.46027	2.276	2.24539	1.33136	1.67242	2.03577	2.69507	4.15387	2.58228
6.12769	3.17148	0.535004	4.1553	2.60947	2.19125	1.72891	4.0701	0.296112	-1.28778
4.45923	4.2691	2.08856	5.14822	1.83517	1.37311	3.68768	3.0932	5.08466	5.11368
5.04129	3.18317	5.43417	7.96912	3.44333	0.487122	3.5538	4.46347	-3.46915	5.00412
1.29404	2.22656	9.0914	7.10831	3.22437	3.45053	7.58054	2.96814	-2.16409	9.24127
3.79108	3.3222	3.77448	6.46024	2.62411	-0.27377	5.99265	3.05283	3.1236	6.87549
3.42581	1.48169	3.49658	0.777039	-0.95474	0.589233	0.372101	2.45724	0.358063	3.58307
2.84042	1.77588	3.81815	1.72934	2.06625	0.511597	1.79523	0.929016	2.68921	1.76428
3.64584	3.61185	1.89951	3.10312	2.82953	1.01141	1.98553	2.6402	2.22327	0.690979
4.85172	1.5451	3.84781	3.63977	3.46957	2.74377	1.9812	1.41519	1.83743	3.41629
3.71445	3.89987	4.70651	2.76648	2.33051	2.4393	3.07886	0.354004	1.82693	2.18744
3.793	4.83121	5.2171	2.69745	3.57806	4.48431	5.29526	3.48389	0.49472	3.67551
5.67715	-0.87473	3.98938	4.27649	0.860443	4.25244	1.45987	2.33148	3.88577	3.01025

2.31058	2.14008	1.64899	5.65359	1.54E-02	2.91876	2.5238	2.99597	-0.24451	4.49173
2.74194	2.9472	4.32925	2.17233	0.975586	6.15302	0.813782	3.97839	5.23444	2.61169
-0.31821	2.16345	3.35208	5.79544	-3.45139	6.24609	1.45062	6.30038	5.58304	7.32483
2.45493	5.41995	4.18619	3.33621	3.70087	3.69403	0.383331	2.97134	6.28873	4.09027
6.06848	4.3262	-1.02933	5.46844	-2.64047	4.40805	5.19806	2.78162	1.78802	4.13779
0.710724	7.95621	0.626892	4.25424	0.426971	4.11102	3.27362	-1.56235	1.48538	2.58939
1.84042	4.35947	4.79105	1.32755	2.17355	6.14072	2.58203	4.02213	1.85919	0.543884
6.61E-02	4.69156	5.35602	3.04462	3.25504	4.86041	2.18674	3.19229	1.17047	0.914093
4.02173	3.85803	6.06958	2.62866	5.28558	4.08466	4.3667	2.9856	3.08365	3.04648
0.961243	3.72949	4.38232	4.28937	5.59531	4.64011	5.08295	5.327	2.73444	3.29575
3.82538	2.11981	3.5687	4.60284	3.84546	5.84253	2.39917	0.565796	3.59091	-0.62509
1.99213	4.87497	2.69678	2.20981	1.12256	4.46362	0.538971	5.48828	3.81189	3.53226
2.39587	6.05197	3.91641	5.79221	4.38907	2.31375	2.11191	3.5752	3.30292	5.31421
-0.51746	4.86853	5.69724	3.38754	4.09558	4.30112	4.4642	1.27191	6.67566	0.441681
-2.64661	3.02356	-2.33542	5.25992	2.90652	6.2471	7.7998	3.54538	7.27286	2.78043
0.20694	1.58566	4.53891	3.0506	7.96817	1.23993	2.19971	8.24463	4.63382	3.31357
-3.81754	6.15881	-0.30762	2.55292	-2.72467	0.524048	7.35367	4.93204	4.7377	5.94998
1.44772	2.57709	-0.29532	5.11462	1.83005	3.00943	1.2778	4.57767	1.08148	2.97177
1.97681	1.78336	0.707031	3.44275	2.27808	1.2095	3.57431	4.47632	0.895386	1.7627
0.835144	2.13635	4.55762	4.65399	2.55594	2.1843	2.64313	4.08948	1.23468	2.64297
2.14313	4.07822	3.25739	4.71194	0.976959	2.74756	4.0126	2.88629	1.53244	1.9021
3.68454	3.13959	3.71643	5.81488	2.75592	2.46609	5.85117	3.50098	1.11493	4.31226
0.810486	0.983215	2.25198	4.56143	4.00885	2.48404	2.93555	1.66348	2.59201	2.22299
2.27795	3.54468	5.58978	5.9306	3.01086	2.88965	6.76538	2.84436	1.85339	0.431854
2.53677	1.99936	1.29099	2.52289	6.36685	7.02374	4.1217	3.1478	3.26541	3.48444
4.76044	1.51852	3.25574	4.04544	0.176392	5.13712	3.52271	4.04419	4.75974	2.06821
3.32819	3.41196	7.7251	1.23303	5.62143	2.69412	5.34021	6.88718	-0.84665	8.48544
7.74442	-1.23856	2.77921	3.66241	4.28857	6.94504	0.466431	5.22134	4.89462	1.47626
6.85138	1.04453	2.61597	4.35663	7.48703	0.689148	4.10574	4.56271	4.12421	4.5777
4.29333	-0.26691	2.80087	2.15E-02	4.03156	3.01984	4.43091	4.57477	2.62708	0.615875
3.32111	2.28986	2.33234	4.86734	2.53677	1.61322	2.15482	2.24591	0.564911	0.817566
2.52686	3.85974	6.2597	4.48599	1.64932	2.56671	4.45654	3.72717	2.47827	2.0238
3.49933	2.74423	7.48779	3.93185	3.39816	4.03537	3.65662	3.8363	2.35345	4.68179
4.94913	2.64737	3.48792	2.78616	2.6304	4.2016	4.50305	-0.3317	4.89975	3.56915
2.03528	1.13031	0.723175	1.38873	0.93576	2.55844	2.75095	2.11319	3.41949	5.18549
1.94284	2.06717	1.3533	2.6705	3.21085	2.74924	1.28E-02	4.90146	1.29147	4.82758
2.06088	1.17316	4.9552	4.16888	4.35974	0.709442	2.01651	4.44308	2.64612	0.235809
5.41934	5.2095	4.97195	3.40143	4.78497	1.9682	4.97708	4.267	5.65625	6.59378
4.9245	2.47226	6.94067	5.55832	4.91132	5.28149	1.91611	4.29999	4.65604	-0.33206
5.79572	1.71497	7.21179	7.61353	2.25357	-3.20929	4.03162	5.03592	2.82623	-4.14584
7.39627	4.32391	2.16229	5.46793	-2.65448	5.68073	1.83975	7.39902	3.0386	1.79068
7.43933	2.15869	1.89978	0.864624	1.44565	1.61423	2.15921	5.78625	0.110565	-2.13861
3.0708	3.42667	2.24005	3.50974	4.33276	1.40851	2.93991	2.89304	1.9722	0.377777
2.59973	3.66464	0.914429	1.44	4.08212	2.73181	3.02994	3.40488	0.907288	0.249084
5.28372	3.22192	5.3403	1.67917	3.34778	2.39737	1.3992	4.89661	1.46674	1.6788
5.14203	4.52438	2.45633	3.21677	2.40442	2.26471	2.25647	0.606781	0.103027	2.19815
2.93109	4.3165	3.26428	5.02484	5.28525	2.21204	5.18585	1.4877	2.41342	-0.724

1.95715	3.86618	0.232574	5.43909	1.83875	3.57684	0.798981	3.29138	2.77228	1.25955
2.39047	5.19946	1.85709	3.87878	3.23654	3.89536	2.1983	3.51907	5.76221	1.88043
2.57074	3.05902	0.921448	8.07E-02	5.05157	3.05911	1.81729	2.5809	5.92633	4.39059
2.6123	8.96207	3.71378	3.66183	1.01804	7.70111	4.75021	1.94586	4.61536	5.80704
5.67374	10.2949	4.2276	1.9747	2.86078	6.11414	2.01752	-1.27277	1.82401	0.103668
8.56628	8.50012	6.51767	3.30463	1.17001	5.30484	5.29465	3.46933	2.1489	1.09119
1.34702	5.6972	4.6626	2.20303	2.36456	2.27844	2.43512	2.10165	4.59738	3.85068
4.36191	2.78357	3.33795	2.04416	1.66486	0.75061	0.869202	1.86743	2.5752	3.15479
3.16803	0.43396	4.54062	1.82391	6.21774	4.89249	5.21375	1.8187	1.99979	2.2554
2.74173	5.2019	4.26419	1.21445	6.92676	2.10147	2.3623	1.5658	2.64774	3.91068
3.24414	3.96786	3.36414	2.97137	7.0488	1.34262	2.68237	3.285	3.30035	2.47696
3.74518	4.8367	2.82678	2.69275	5.49106	3.09232	0.527649	1.5014	2.01651	-0.65619
4.06094	4.84079	1.00739	1.82089	5.51276	2.71463	2.50488	2.32886	1.53589	3.15427
3.00287	2.92715	1.77289	3.33951	5.44217	5.85016	3.61441	5.41287	3.85629	2.13272
0.178833	5.65421	0.376343	3.04904	4.30478	4.79221	3.74829	7.8598	7.03613	4.07858
-2.07172	2.59094	2.75247	7.29062	3.91891	2.70572	-1.31628	0.864685	7.74835	5.06104
-0.27206	5.85214	10.5537	7.7919	0.729065	-9.13E-02	5.60764	0.622925	4.88321	9.39917
4.63498	2.52283	2.60547	5.39243	2.90573	2.94244	0.89447	2.56302	3.4425	2.83228
4.72653	4.26581	2.39697	1.85593	-1.31332	2.67514	-0.1872	3.29636	2.23196	1.33157
2.5603	5.50946	2.97433	2.09644	3.50238	4.33951	0.604004	0.756531	0.576202	1.33838
3.99634	3.53445	4.21512	2.6329	1.78763	3.96939	2.99155	2.82037	1.85718	0.684479
3.36172	4.71011	3.54471	1.36136	2.35568	4.75516	2.28601	2.298	1.97095	2.60397
3.68073	7.12848	4.41074	-0.35431	1.24921	6.15451	2.39627	2.76529	5.96423	2.50836
3.16568	4.38199	5.78259	1.78854	4.81305	3.18253	2.88287	-0.75452	2.18811	4.1571
3.22144	2.24109	1.99307	5.13739	0.139343	3.86353	3.44278	3.84607	2.80289	1.90866
2.57538	2.86377	1.4357	4.7225	4.07196	4.95465	1.15921	4.06158	4.81149	2.42401
3.77325	4.24393	3.87915	4.43832	4.2052	7.71341	6.62479	6.3139	1.84656	2.66559
4.70441	4.41946	5.71988	4.49634	3.28772	9.60251	4.6488	2.14026	-3.07294	2.30753
4.12473	9.04544	2.1651	6.9808	2.91296	6.60632	2.62421	4.78973	0.632111	3.01535
0.454681	3.3392	-2.84802	5.60614	0.897125	-0.31076	1.54794	5.53482	0.661407	3.2341
1.82123	5.88528	2.38409	3.78903	1.88437	2.81174	-0.65628	4.04785	2.97107	6.24319
4.33472	4.86658	0.303741	2.36935	1.99008	2.4245	1.30661	2.01334	5.09821	0.789185
4.74905	3.16183	2.48022	2.89502	2.16354	1.8688	2.40033	1.54449	2.57407	2.72137
5.24094	1.83411	4.77759	3.86737	2.05386	6.34088	3.57431	3.31052	2.16635	2.27359
4.64603	4.97748	3.14432	5.89539	2.59341	5.47299	4.02835	3.43549	1.79144	2.51785
3.70767	4.50562	4.59988	3.03525	4.20175	6.27454	4.48187	4.35788	3.20871	0.93161
0.922852	3.23337	4.53568	3.9935	2.38104	2.07092	5.18228	2.95178	2.48087	3.11887
1.06067	3.12506	2.98401	4.99091	2.64746	5.64865	5.52481	4.0831	3.40231	1.36731
5.62164	1.52103	5.87454	4.64294	0.278992	3.65619	4.91849	6.17621	2.47614	1.7515
5.1564	4.39236	7.55429	5.99124	0.914825	2.37521	5.54922	6.47357	3.58624	6.76465
-1.07486	5.60815	1.25461	5.03461	4.35095	3.43842	4.18793	4.40964	3.51901	6.98685
2.04349	3.60281	-2.49332	5.12323	6.07913	2.20163	0.313446	7.72891	2.27841	4.10928
5.72092	3.2962	-2.84821	5.84543	-1.95325	4.26242	1.8555	3.56827	4.73587	1.40909
2.4877	2.79095	1.95084	4.77176	0.656464	0.878113	2.15912	3.73734	3.55649	2.25449
1.67615	5.73953	3.91092	4.4335	3.10422	3.8703	4.95673	2.76849	3.53168	3.47168
3.83804	5.00302	4.47791	4.88095	1.91086	2.40048	4.6572	3.92169	4.74335	0.151398
6.60104	2.80237	4.10413	5.53229	2.79532	2.7807	2.99936	2.62589	3.41663	-1.07666

3.59888	3.46201	1.00589	3.94214	5.52887	2.40591	3.15515	6.09769	4.17862	4.0029
2.74884	4.26147	3.0976	5.59158	5.48566	4.18524	1.11346	6.19446	4.20059	0.519348
2.30838	3.93738	0.172699	3.26059	1.86847	4.79584	-2.98E-02	4.77469	-0.83789	0.699829
5.87363	6.23212	5.65714	3.70264	1.34348	4.81271	2.763	3.25891	5.54175	6.32828
8.49539	1.95584	6.0394	2.92322	4.07022	5.89932	8.00742	7.31879	9.54486	4.25095
8.47473	2.96365	6.2399	4.5863	1.68066	3.05124	6.18741	7.91043	1.34351	3.07346
6.89148	8.13843	3.32529	-1.01477	1.92032	1.18863	1.91425	5.38312	-0.23789	1.68188
3.01093	5.2543	1.97919	5.21414	2.77448	4.15094	0.169708	4.91495	1.67987	-5.12E-02
2.6824	5.13776	-0.56647	5.08286	2.08096	2.35229	1.10812	2.62393	1.28229	1.21957
2.50955	2.51205	3.41931	4.0618	4.27783	3.95718	3.59195	2.2623	0.323669	2.30859
4.80444	2.33401	5.59869	3.61575	3.75717	4.15479	4.8132	2.29449	1.50314	3.0936
5.12314	3.34299	4.35101	2.47949	2.61401	4.349	2.29105	4.03339	1.78293	3.52594
1.45547	4.8403	4.24918	3.57434	4.03E-02	1.17102	3.49896	3.51929	-0.32871	0.675201
1.58853	1.86337	3.22717	3.2832	1.96985	-1.08948	2.50888	2.18518	3.69E-02	3.33997
4.47586	5.93808	3.74579	5.24689	0.132751	2.06454	1.46082	0.42569	1.1459	3.85052
5.32275	5.93292	-1.37296	5.79633	4.483	1.94061	2.10168	3.32748	-2.37216	4.74799
2.1647	5.45364	11.0318	7.27493	-1.18109	3.7598	4.8699	4.05179	-1.74515	6.50363
0.882416	0.669769	9.16571	7.53821	-0.23694	4.14493	6.97324	1.50574	-0.33688	2.70096
1.70337	5.16531	6.21927	2.37924	2.08362	5.04965	-2.35764	8.46902	-1.62848	1.60699
3.78741	2.95398	-1.27E-02	2.42572	2.64667	5.05554	2.38321	5.31485	0.505859	4.08057
1.73132	2.89597	4.25323	3.09384	3.89417	3.27762	3.20502	4.42642	1.09171	-0.14362
1.64395	3.09366	2.75443	3.13	1.79623	3.35638	3.38025	2.3761	0.632782	1.10559
3.95892	3.74481	3.38071	2.36115	5.86218	4.26666	4.59271	1.29532	3.83704	1.8439
2.55975	2.59659	6.68811	1.84619	3.30231	4.97061	3.99045	2.5972	4.89413	2.48175
3.702	4.11169	5.64297	3.63992	6.82617	5.76334	5.25037	2.6655	4.9263	9.61E-03
-0.28525	3.92368	2.164	1.62759	4.69376	5.64352	5.29877	1.30936	4.36307	-0.60114
2.02109	1.96747	1.98761	3.88199	2.88644	4.06976	2.80222	3.84308	6.09729	5.46683
5.70065	5.16153	-0.62344	4.40915	5.74847	4.71231	5.42429	3.755	3.21295	4.70038
5.27539	1.92584	3.9614	1.59692	-7.82E-02	3.51651	6.48822	7.78326	-0.97034	5.01285
6.08273	3.88797	2.89981	3.577	8.50146	2.85852	6.92981	6.70984	5.17081	-0.19873
7.75549	4.92963	1.62878	1.98615	5.16483	2.65564	4.17645	1.83493	4.17432	1.61279
3.58862	4.59839	0.945282	0.157043	1.95746	5.13403	1.82159	4.20114	3.93427	5.51727
2.0564	4.20038	1.68314	3.88556	0.897156	4.41241	5.84811	2.47693	2.1918	1.41098
0.855255	4.16446	-1.00E-01	2.95361	3.38394	2.77121	5.59253	2.05518	3.50839	2.23578
2.89102	1.57272	4.69879	2.99066	4.33026	3.90808	3.9884	3.72519	5.34875	3.76819
1.92453	3.09787	3.34103	2.78448	2.0387	3.47412	4.88657	3.38089	2.78485	1.78555
3.64139	-0.44611	1.2637	3.92413	4.99167	2.79303	6.42636	3.0105	3.42599	3.97189
3.25443	2.04758	2.36438	5.01511	1.10587	1.62112	2.81378	2.72977	4.77499	5.25687
2.83786	2.75827	1.9556	4.44958	4.50595	3.19525	4.21109	5.75128	4.38751	3.40134
2.33905	3.80573	4.20193	3.37103	4.1922	5.17599	4.58548	8.99841	1.14154	1.9852
4.2507	2.19354	5.71869	5.33884	4.56934	2.4079	3.7287	3.25607	4.64655	6.53073
6.42462	4.44345	4.01788	6.31381	7.97168	4.89484	2.30231	6.72714	4.6459	7.51315
2.15298	6.9028	6.62549	0.433624	5.38251	3.88214	3.57086	7.68231	7.4678	5.21039
6.05063	8.6236	5.73599	1.55283	1.91727	5.82144	0.675018	7.86694	2.78598	4.09747
3.2258	3.25607	2.82874	3.93353	2.69397	1.26151	3.01523	3.91171	3.1763	2.27289
1.60925	4.14594	3.7384	4.49512	2.75272	2.53671	4.67484	4.56479	4.69968	2.8324
1.23703	3.20081	4.41708	1.72495	4.94217	4.85468	2.67459	5.34579	4.43893	3.81528

3.18863	3.19379	4.00562	3.74457	4.66132	4.3334	5.57977	2.88568	4.93665	3.91385
2.72409	4.1481	1.6358	5.31842	5.58295	2.52081	1.24805	4.5845	2.63672	3.0116
4.13974	2.03989	2.60489	-0.34522	3.83704	3.78793	2.16788	3.55887	7.93909	-0.30713
5.03058	3.10757	2.93509	4.16058	0.955353	3.93784	3.84421	0.122772	4.3688	2.94073
2.56155	6.2037	3.66495	7.10785	2.89929	7.66321	4.81989	2.0542	4.96146	3.8096
3.88571	7.00525	4.3494	3.38422	2.69321	5.54712	6.13651	9.05188	7.11194	2.54984
10.2138	3.62207	3.83939	8.1409	4.66556	2.97473	5.75552	9.13373	4.10651	4.67407
4.60019	11.5167	3.44748	4.52542	-0.76587	4.87643	5.28564	5.42181	6.43552	3.80679
6.13522	4.8103	2.19247	1.91684	-2.71063	3.45682	2.51282	3.68826	4.46216	1.07718
-0.12198	4.59006	1.57584	2.92294	2.48547	4.98972	1.94452	3.68552	3.8624	1.59457
1.96753	1.48804	-0.65179	4.52429	2.05792	2.20151	1.98883	3.49847	2.58249	1.97928
4.28064	1.89523	1.9231	4.63797	3.00146	3.56787	3.85699	6.21332	1.98175	3.92178
3.35324	3.86407	4.14954	4.63599	1.49411	5.93271	1.61786	6.04758	2.86874	5.51776
1.47998	3.58469	1.41418	4.39435	4.04117	2.49704	0.367371	4.90179	1.70172	1.94031
3.59335	2.65707	-1.0907	3.64371	1.64105	2.45584	2.54279	2.99088	3.72229	4.61145
2.29056	3.25327	4.81021	3.35748	0.478058	2.57474	0.414886	5.3436	3.05789	1.27411
3.56845	4.2619	7.21426	5.73624	5.79889	4.3783	6.0585	5.36121	5.58295	-1.8118
0.927002	6.67615	10.1645	4.52643	3.99542	0.349915	6.07922	10.0214	3.50766	8.50323
6.14404	0.643555	3.83939	6.51541	6.79648	8.46552	5.25311	6.51904	4.92502	-0.91174
2.15979	1.42383	2.08127	1.79034	3.50073	5.14084	2.47485	6.20712	2.84372	4.72079
4.37631	0.535889	0.637573	5.53784	3.59897	1.65063	1.67001	3.64175	3.88928	2.49289
1.73801	3.99457	0.57785	1.32913	5.73447	2.81592	3.95651	2.17511	2.5076	1.42557
5.45615	4.60965	2.98932	3.77341	1.82742	0.79071	3.28815	3.47607	1.52789	4.36258
5.21353	3.13632	9.00308	2.98947	5.21878	5.06528	6.01251	3.93359	4.09055	3.8743
5.46625	5.32077	6.57431	5.11139	4.71991	4.617	5.68457	6.8912	3.96722	3.72546
6.72549	0.202087	3.57739	2.97745	1.05106	4.67322	2.26135	5.49689	7.405	4.27231
4.17215	-1.22461	0.978699	1.18359	2.25436	3.52454	3.87979	3.85117	1.94028	2.75055
5.72516	3.72867	0.736908	3.56671	2.85284	4.28906	2.27649	5.84079	3.70779	2.79672
5.83176	3.15231	2.87656	2.78455	7.5416	1.43359	3.8194	6.86279	4.55624	4.0022
6.2211	4.59225	3.90738	2.77533	-9.13E-02	0.864716	4.1167	6.63626	3.70834	4.73593
4.40234	3.15036	3.7019	7.42822	3.20935	1.70221	0.306519	8.58432	6.93802	4.22476
3.36237	2.81183	1.99438	2.74573	2.39163	0.960846	3.57367	6.27094	4.15872	2.38739
1.43521	1.7157	3.03787	4.73102	7.06E-02	-2.17206	3.01331	2.61377	2.45456	3.37448
-1.7912	5.19016	-0.86118	3.62885	4.43286	3.1145	0.701904	1.31351	3.1207	1.43579
0.377533	4.14474	3.88162	3.37491	4.02374	3.68188	1.94153	4.44418	2.80878	1.81439
3.59213	3.37091	3.93649	2.99435	3.09558	2.40576	1.70901	5.7196	3.24176	2.58698
4.91815	4.22507	3.27744	3.55719	5.31122	2.4487	0.82547	5.96869	3.20255	4.06964
0.771179	2.24539	5.254	5.41632	1.23117	5.72534	1.70096	4.7337	1.30762	4.2652
3.99463	2.69547	2.02249	7.23001	2.93835	6.02792	2.71948	4.96127	6.02539	1.67227
4.02658	1.79718	0.794983	5.4426	5.40826	4.25974	0.776886	4.79187	4.54352	0.761719
2.48624	2.17731	6.09976	0.926453	5.6825	5.9765	4.5928	3.2337	4.56525	5.0159
4.36209	1.32907	7.85919	-0.34448	7.06912	8.67462	5.46631	3.30927	2.23935	4.97433
6.81921	4.39865	5.8624	-2.99438	5.99615	4.46432	8.18842	2.10245	2.88132	4.44055
4.52667	1.97021	3.86508	-2.33386	3.45911	5.33453	4.47156	3.59802	8.4942	3.55029
3.22433	5.2099	1.75098	2.43182	1.53036	3.24982	0.601013	3.98376	4.77158	3.58148
3.59601	1.26666	1.92825	1.00754	2.21228	2.02042	2.81952	4.76483	3.57629	4.07007
3.81406	3.22324	2.52222	2.59091	4.41333	3.28738	4.75784	3.92929	1.53979	4.29208

3.95163	1.80121	4.3696	3.62814	4.43268	3.26288	6.0199	1.20071	3.88574	3.61349
5.04355	2.78748	4.81992	4.92297	3.22461	6.04361	6.43457	0.859802	4.80704	2.27386
3.96469	3.67459	3.26828	5.20102	5.77496	5.92853	6.64807	3.30688	3.4631	1.53531
4.34943	3.16928	1.83768	5.54678	3.38065	8.61765	2.67618	3.92416	5.30457	4.26077
4.09546	1.13037	3.1716	4.41199	4.05484	4.07874	1.65701	4.93637	2.61151	0.693817
1.94623	4.01392	6.06116	0.946136	5.22058	9.6503	6.63779	1.6662	7.44174	6.84421
1.0784	6.76706	11.3645	2.31323	6.12103	2.3194	6.54501	1.92526	4.42944	5.76324
0.147217	5.05115	6.06519	5.41171	8.50476	0.591736	6.53201	-0.67596	8.63043	-1.14053
7.10297	2.9541	2.01669	6.36514	4.147	4.23575	0.613251	3.07623	-0.13208	-4.48901
4.89612	3.00519	2.85919	2.92734	3.89407	2.60623	2.08911	2.37256	1.09467	-0.78433
0.497009	7.30188	0.717041	2.69873	3.45468	3.44562	2.9588	3.35052	3.05771	-1.19363
3.81064	2.75885	5.979	2.55942	4.83401	6.42081	4.04993	4.43057	2.94678	-0.7551
4.38162	4.92102	3.36938	3.54486	4.87949	4.92786	3.7233	4.1416	4.78674	3.103
2.96225	4.92139	4.47742	5.18188	4.70111	5.12961	3.63736	5.99438	4.17325	0.488037
3.11029	2.22949	5.23578	4.90063	3.88507	3.93951	1.70395	5.3605	2.46002	0.499207
-0.58655	-0.86542	2.89789	5.06689	3.13406	3.81512	2.88568	7.95566	3.34549	1.05487
4.29208	4.27518	0.237	6.88168	3.26434	5.67346	3.73972	0.201599	8.2113	2.27182
2.93063	3.00531	-6.59384	2.66953	4.59698	4.68912	6.31061	-2.87381	8.23566	5.32001
1.73981	2.11905	4.48389	-1.68188	3.78522	4.5997	5.78561	1.10828	4.73425	4.13034
0.717529	6.29974	4.42249	0.705902	-1.72E-02	-1.51227	-0.30277	8.16653	0.97113	5.65607
4.01669	7.14062	0.288696	4.96014	1.64182	5.07043	2.69586	7.21771	2.9313	1.18057
4.08813	4.9252	-0.73801	4.37881	1.05197	2.64584	5.14941	4.92535	2.23068	2.49759
4.87521	4.64316	-1.05026	1.73395	4.15247	5.15939	2.48151	3.19113	2.63019	2.30777
1.83215	2.08994	3.26013	3.37302	3.53104	4.25351	5.20364	2.16449	4.81079	3.02267
3.11514	1.78421	4.56729	2.94995	5.87976	6.05057	4.8877	2.1879	4.31235	1.85028
4.13593	4.36569	3.61972	3.57977	4.99832	2.6185	5.11096	4.97028	7.09604	2.50076
2.51529	0.9953	4.1665	4.16522	2.19226	2.48422	2.66196	1.0538	5.87042	3.01059
2.12793	1.75287	2.68689	6.01379	0.732239	2.08752	2.91248	1.65887	3.10959	1.38205
5.79706	1.10086	2.9787	3.4613	3.62256	4.73495	3.75009	5.2739	2.46982	3.44461
3.76324	2.93161	2.91086	5.19675	0.47049	6.48541	7.78641	3.86411	2.20264	2.55508
8.77618	4.72647	4.42169	-0.87528	1.73773	9.3512	8.61621	3.92917	-1.01425	3.69733
3.03552	8.37665	-0.69281	2.31851	1.72995	2.01752	8.96271	8.69983	5.25742	4.39566
3.22467	5.8367	3.19327	0.905029	2.36371	4.24863	2.68585	8.40811	2.55792	0.930786
4.73972	4.4519	1.8212	2.63464	0.622864	2.65402	1.03329	4.37344	2.95966	2.81027
3.1449	5.04398	0.309326	3.75134	1.04477	4.04941	2.3287	2.84393	2.15039	1.75809
2.41995	2.41806	0.952911	3.90869	1.39252	6.79239	4.41183	3.48978	1.94699	4.1564
3.46143	3.55353	2.4715	5.00134	1.92746	5.16516	2.2012	3.03769	3.55884	5.15417
3.60715	1.42169	6.04633	5.68979	3.17841	3.41541	5.75705	5.1488	5.72495	4.13345
4.42349	1.41599	-0.57092	6.60065	5.67786	0.532928	4.08865	3.1098	0.722809	-0.22971
2.23233	5.07797	2.4043	5.23941	3.43427	4.91385	1.79929	3.00528	1.73059	2.03735
2.78278	4.81458	2.7272	5.45349	2.23807	4.91055	2.5939	5.68018	2.24112	0.602325
1.20496	4.88373	3.27374	4.90942	1.49939	6.31821	4.9964	5.3508	1.79224	3.80469
1.6745	4.09854	10.2389	5.97644	2.41873	9.29681	8.8121	5.55606	1.99286	0.479736
3.66602	3.80127	5.77209	5.56042	3.52777	1.24854	6.00583	3.44904	3.35852	4.88354
-1.93671	5.2117	4.23209	7.88293	-3.92917	6.90494	1.45306	3.27533	2.3613	1.00348
5.62543	7.04639	3.19199	5.15082	2.77646	4.37192	2.1395	3.18756	2.22748	2.37949
4.26151	5.12238	2.51633	2.90384	1.69348	4.92682	2.82483	3.05301	2.38919	1.68979

2.17825	2.64856	5.13333	4.63751	3.11462	4.45041	1.84543	3.09839	1.84177	-0.21732
2.88724	2.85181	6.0636	5.11984	4.62488	4.89996	4.04651	4.9903	0.716034	1.19189
5.63483	4.73337	5.02432	7.13739	5.42361	7.22812	3.89005	4.31198	1.06265	2.75824
4.95929	4.5705	2.96518	6.96423	3.14944	4.90253	4.48657	4.67151	0.6922	2.23389
5.21393	4.20108	2.57458	4.57181	4.14624	3.88812	3.38199	4.61346	0.987488	1.97098
5.48688	6.75928	1.96939	3.73581	4.06577	4.97665	2.75439	4.88419	-1.67E-02	2.30002
3.21695	5.12991	7.70236	5.58682	6.12668	5.89551	5.43851	7.2305	0.930756	4.64191
3.41769	3.04285	5.84558	7.44614	4.11981	7.52921	7.74481	3.52689	0.441162	6.52765
2.98694	7.75336	5.35501	5.66962	5.31467	8.39844	5.44101	5.27072	-0.33438	8.84235
4.93896	8.31891	2.51489	3.86453	3.77151	3.30185	1.23697	-1.28888	7.06281	4.71768
2.00592	1.64301	1.94708	6.47842	3.15308	3.95563	3.14392	0.691071	3.45438	2.88989
5.44431	2.46967	1.43903	2.02805	1.64166	3.63251	2.90152	1.06311	3.47891	1.80389
4.47433	2.42636	1.60672	5.27151	3.22864	5.92429	3.19504	2.48898	3.62949	0.516785
6.02774	2.01871	3.69769	4.24445	4.32788	6.76907	1.8956	1.24179	5.28903	2.71649
4.52853	4.49237	4.52094	4.95728	4.27771	4.95752	2.38617	3.45908	3.23074	5.51917
3.37039	3.90271	2.95599	5.13895	1.33566	4.99362	0.181152	-0.32019	3.43631	3.1521
1.79175	2.07968	2.0007	5.41769	2.44366	2.72104	4.26807	2.72668	3.78577	1.22366
2.98099	5.20956	1.9863	7.18839	-1.12076	2.24866	2.10352	4.62259	3.81631	2.28622
2.49884	3.69913	3.48795	4.75894	4.6434	5.3522	4.83688	6.17911	8.22934	6.25528
6.90851	5.49374	-0.30692	4.87793	3.56812	5.90311	4.42551	0.89917	7.65366	5.09872
4.63782	4.24796	7.64151	7.18561	5.07626	3.63654	9.57321	0.251831	2.72202	8.92834
3.62958	7.09741	7.30249	6.87204	5.88501	2.98453	2.40176	4.65811	2.96362	5.26749
4.53622	5.64389	2.49329	-0.46817	4.82077	5.20312	1.63562	3.20636	6.05597	2.47867
1.96051	4.84247	4.65884	3.04965	2.44867	2.05441	3.89081	1.55502	2.3049	2.28119
5.22293	4.74023	4.45691	2.9169	4.58524	4.12671	3.00732	2.60147	2.00128	2.24149
3.32343	6.40781	5.0293	3.94785	4.23706	4.45737	4.4722	3.29062	4.24673	2.16248
4.94003	5.18839	5.45343	5.02948	5.17642	2.08511	3.25757	2.84229	3.66745	0.876648
4.74118	6.56549	2.4375	5.48444	2.67435	0.464142	3.93057	3.44168	2.55331	2.14569
1.41995	2.33099	1.3674	7.76349	4.51E-02	3.19373	1.43427	5.31757	5.54358	3.31317
4.40717	3.31137	4.3443	3.74561	3.76785	5.51886	1.65799	6.56097	1.11041	3.36343
3.96133	6.28513	4.17615	4.39514	8.55737	-0.16391	3.41168	6.04971	3.74445	3.46719
3.55148	7.54865	-1.10251	4.08182	3.89331	2.16602	7.03711	4.88068	3.99454	4.88425
3.58853	7.25687	3.2334	7.00171	7.74857	2.82004	4.78833	6.46683	1.44061	3.61197
5.35519	5.0303	2.62579	3.34662	1.98682	-0.42477	2.36237	7.92252	4.8577	-1.82062
5.70554	3.2431	5.603	6.91272	2.94138	1.00113	3.85699	4.00406	4.85748	3.15417
3.93112	2.60938	3.39514	3.20645	2.82047	2.29062	2.18863	4.68802	3.224	3.10818
5.51465	0.949432	0.674805	5.03101	3.53333	3.50848	3.44965	6.6384	3.22369	0.622192
5.75882	0.847809	3.68851	3.64655	3.06519	6.16998	4.68311	7.6983	5.36124	0.574585
4.75513	3.61578	4.03131	4.83829	3.5914	4.65152	5.73105	5.90799	3.30643	2.34845
4.0029	1.45721	3.17099	5.32202	4.50024	0.837524	5.18597	7.50641	4.60361	0.181702
4.29364	-3.34293	3.31058	5.63928	5.92874	2.38535	2.19077	5.91116	2.29999	0.108459
4.62088	2.94876	1.582	0.87381	4.61716	2.10684	3.55859	2.67337	5.9523	4.02744
4.37885	2.40891	5.21454	4.65213	3.18549	5.53522	2.4938	7.99619	5.33563	3.1813
5.27728	4.32745	9.655	0.465332	-2.80728	9.1203	4.9527	6.44778	3.04556	5.39502
4.03873	4.79626	7.85529	3.68512	2.27698	0.569336	2.69971	7.36044	1.91513	2.62796
8.50507	3.95401	4.16669	4.82614	0.685516	4.03253	6.26505	8.52982	7.00302	5.08969
0.768738	3.06229	3.83109	3.12643	3.39337	0.530243	2.37451	2.95306	1.79926	1.90427

4.0798	1.96967	3.41302	4.34055	4.42368	4.46121	1.41891	2.43732	3.94739	3.59109
2.59125	2.90436	2.1954	4.58542	4.82562	2.67471	3.53653	2.42767	2.4502	2.7529
3.74973	2.67831	2.43781	3.16476	5.88397	3.75238	3.74719	6.22281	5.21185	4.11328
3.00085	5.35339	5.75574	5.87567	4.54242	4.8884	1.60416	5.1832	4.57764	3.36475
5.92999	4.58099	2.70749	4.17783	1.40665	3.89041	4.21506	7.3067	3.2103	1.87119
2.25803	3.39929	3.29858	4.60349	-1.04434	5.23532	4.12048	5.06049	3.59448	2.94196
4.48877	7.74686	1.47589	3.54028	3.71866	3.60446	3.6106	5.82458	2.8176	2.58682
5.94153	4.87381	2.03336	7.11954	6.9111	2.8204	-0.31552	6.10181	5.57483	6.5101
5.86139	6.99844	9.42047	1.24142	3.44061	7.47141	4.7572	8.10028	3.88336	1.85333
5.21124	8.88995	5.85229	4.7536	4.95425	5.17554	5.00272	3.35852	4.96753	6.71497
4.09628	6.85022	3.47678	1.88403	0.529633	4.02634	3.46857	3.45541	7.03592	3.8696
4.87363	5.85541	0.286377	-0.29886	-0.60553	2.86914	1.0679	6.09454	2.35806	0.47818
4.72302	3.97058	1.82864	4.66293	1.92987	4.3526	0.138306	1.70773	2.71609	4.85989
2.92194	2.39163	2.62241	2.83951	2.49652	3.33688	5.23373	2.14069	2.10657	0.682678
5.52112	5.97723	4.4176	4.69485	1.65396	3.96506	5.177	5.66699	2.38614	2.04779
3.99094	8.47427	3.01154	5.92627	4.05042	5.91299	2.43707	7.12848	4.76013	0.682739
4.7634	5.3927	2.07849	6.57394	3.15054	3.23422	1.26715	5.66251	1.7767	1.04791
2.39993	1.47769	2.92389	5.09439	2.91675	1.62762	2.63107	4.99158	3.18027	2.88696
2.83426	2.88867	4.2822	4.40698	2.99374	1.52206	3.87189	3.45547	4.7417	1.34933
7.57184	3.54971	-1.05484	5.69965	6.75299	5.03009	7.53708	6.59839	4.80923	6.72348
3.87509	2.99954	0.820099	6.42892	4.73352	1.34012	7.12741	2.83417	8.21005	-0.54987
4.79932	7.43787	0.6698	6.86841	6.65216	4.67401	5.87582	3.12732	7.42783	-1.99405
2.64447	4.79642	4.15707	5.19043	7.04102	6.45935	2.48776	3.28851	4.4198	2.17947
1.80511	1.07471	3.38608	4.13754	2.32938	5.00671	2.66571	3.11887	2.86917	2.06668
1.961	4.08517	2.91235	3.28415	3.27768	1.71069	3.9259	5.40381	4.8793	1.79987
3.76465	2.64935	1.69742	4.47241	3.83264	1.68939	5.63965	3.74979	2.4296	0.738678
5.13153	4.48792	3.72089	4.22714	5.74048	3.95517	2.9736	1.93802	4.95914	1.05319
3.84213	6.00449	3.34732	4.37177	6.40472	3.85562	3.85587	3.10269	5.82452	1.92126
5.56848	4.00659	2.39389	2.34213	6.14746	3.36752	2.91946	5.2417	4.6944	4.61441
3.87744	3.49719	2.19427	4.09448	4.43826	3.35315	3.50546	4.24506	4.39737	1.84366
2.63019	4.38037	3.05341	2.97229	5.78665	5.06805	2.10519	6.53497	3.9837	4.25101
5.56833	3.5054	3.33124	5.48395	1.1839	6.27621	1.59131	3.1424	2.23206	3.57779
3.9097	3.73645	7.69E-02	4.96933	6.20721	6.33652	5.13461	8.63367	2.85587	4.53592
10.3701	3.68326	5.8132	5.13351	3.88745	6.56592	6.98282	9.35355	3.26291	3.28317
7.57068	5.3703	2.25558	4.76044	4.92462	6.03513	7.14835	4.48212	3.8172	-1.12701
3.17014	5.30469	2.31137	4.58203	2.48367	3.51141	3.30072	3.78177	3.80356	0.254395
3.0069	0.349457	4.26193	1.99274	3.80167	2.0535	5.14581	3.07053	2.00989	4.14807
3.10764	2.69736	4.08102	3.5148	3.48404	3.71149	3.74594	0.339478	2.62598	3.52179
2.86743	4.53961	4.92719	2.78616	4.06537	6.60916	6.73572	2.50861	4.19055	0.79248
3.12292	5.49277	4.78113	4.85449	5.8248	4.1644	5.10547	4.15018	4.71014	0.36554
4.96158	2.62271	3.85638	6.56372	3.23486	3.11624	5.91827	4.30789	3.40759	1.5163
4.28455	1.38559	2.922	5.37421	3.46875	6.37943	4.72629	7.16998	2.74026	1.11496
1.33136	4.21646	4.32858	3.8371	3.15234	6.15646	1.03879	5.5611	3.75909	2.81833
4.03345	-1.16119	5.85596	6.42944	3.03009	5.99921	6.05121	4.88	7.23663	4.23538
2.3772	2.90897	9.564	8.84802	5.30093	8.04062	2.77512	4.59097	7.04285	3.15735
1.80954	1.81796	6.90509	5.9075	0.577179	3.19492	2.68173	3.98242	7.65253	5.18256
2.24899	-0.1536	4.47409	8.99734	4.39072	7.44205	7.83707	4.21262	4.03851	3.78207

4.43661	5.72	3.71707	3.89154	4.95297	7.67572	2.26712	2.40857	7.57248	1.95908
1.20312	2.80627	3.20364	2.53864	3.73596	2.9469	2.60281	3.47003	3.4986	-6.49E-02
3.41885	2.68866	3.33783	3.66071	6.18134	1.91849	2.67184	3.45309	3.54089	1.60428
4.02853	2.51242	3.392	4.31094	6.37418	4.32996	4.42871	3.4877	8.15994	3.38318
5.30945	5.09897	3.03973	3.17929	5.4025	2.07202	5.74805	8.20248	7.55405	0.722351
4.3288	1.22672	2.15399	3.70203	6.45486	-6.92E-02	3.47116	5.08469	5.1543	5.17719
4.88043	2.61478	4.33807	4.67288	5.38165	1.78015	-5.11E-02	6.37857	3.99838	3.20197
-0.16864	1.00607	2.08121	4.93149	2.40567	5.44656	8.52E-02	5.80179	2.29489	3.73132
0.990936	4.57462	7.70663	5.16943	6.2442	6.34192	3.50281	6.5025	-0.70316	3.75519
5.31009	5.15427	7.64618	7.01764	7.51123	7.91879	7.58411	4.92746	7.46536	3.48364
6.15762	7.26596	4.77069	4.2048	5.02518	5.81522	9.08691	6.70953	4.37463	6.32825
5.00769	2.87292	3.19049	6.99463	4.60553	2.28442	6.23227	5.91592	2.99921	4.83719
4.84534	3.6225	3.27289	3.11542	2.58517	2.60172	-5.43E-02	5.65286	3.72308	3.55109
4.2106	2.75217	1.20273	3.46005	1.30066	1.67471	3.71271	2.35681	3.04651	3.50427
7.24374	2.40225	7.11221	4.17889	3.40164	3.2731	3.31433	4.07089	3.34979	3.29507
4.85913	1.20523	5.73898	4.19867	5.36578	2.35788	5.41971	2.5134	3.42334	2.69559
4.48434	3.09119	4.30133	6.20047	5.10291	5.2756	5.11777	5.31329	2.14005	2.36035
3.94989	3.4794	4.4704	6.64883	5.02017	2.50793	4.91766	1.87891	1.32382	2.5361
-0.34885	2.76028	3.63828	4.8342	2.63574	2.49173	2.45248	6.67108	3.06598	4.62085
2.31088	2.97836	1.45859	5.11389	3.75064	5.70654	3.80609	4.5813	3.61569	5.49542
6.24704	1.68683	4.78326	4.57303	4.22678	8.47229	5.11359	6.99469	5.30774	2.2197
0.228607	1.47964	-0.28061	8.46533	6.59363	5.85229	5.16052	6.53186	4.36844	1.05463
2.86853	0.260651	6.61841	6.77182	7.95535	8.92691	4.09402	10.5974	4.7131	1.28967
6.50708	0.858429	2.69107	7.32733	6.71262	7.08035	4.55167	6.90533	1.935	2.81787
6.29172	4.85361	3.52667	3.23022	4.73447	2.10202	1.96582	6.04227	1.92178	1.91458
3.77231	2.66266	3.73904	1.92496	5.12448	3.58612	-0.12119	4.31021	3.05579	4.53308
6.26974	4.28735	6.49191	4.396	3.09094	3.82999	2.41284	4.19449	4.15439	3.3866
6.27502	4.36963	3.50778	2.78674	4.57706	4.57056	2.44022	4.86789	5.28024	4.12119
6.32413	6.19308	1.97864	4.06189	6.8194	3.42361	1.53137	5.0545	2.15195	3.53375
3.17188	1.3782	2.6503	3.33463	6.25247	5.57013	3.06357	5.2063	4.30472	2.4881
2.89474	1.15448	4.42609	3.19501	4.05844	3.07214	3.63516	7.30048	3.98618	2.56195
0.369263	2.37186	4.36288	0.901398	3.02576	4.08725	2.72202	4.3194	6.12329	5.47192
3.53003	1.32462	6.96494	6.45575	5.10159	4.70831	3.3205	4.35629	6.43475	10.0107
3.98318	5.29626	4.93408	6.22293	7.24963	2.02722	7.3118	5.06769	5.32184	9.95462
6.58414	3.18036	5.6749	7.71011	4.65488	3.50583	5.43552	9.25232	7.26251	6.15665
6.79828	6.34302	7.12247	3.66254	-0.40189	5.44803	4.17847	7.60623	5.1087	7.1442
4.86493	2.54871	3.61069	2.51572	2.28305	2.14032	3.1188	4.90506	3.57626	2.99597
2.90002	3.14355	7.61655	4.09204	3.33505	1.5361	3.72821	1.88184	3.29651	1.37027
3.42825	2.26663	4.3085	3.82269	6.01932	3.58099	6.12415	3.71399	2.81549	0.49408
3.57242	1.58121	5.65781	3.91895	2.92078	4.61096	6.05942	3.39569	2.45566	2.0116
4.40045	1.76907	5.32272	4.86597	3.43521	4.10861	6.38156	1.62527	1.40225	2.90405
6.00049	3.4769	4.48257	2.36572	4.60727	4.07593	4.17987	2.37769	1.43451	3.55328
3.74023	3.30817	4.68759	2.9624	2.79794	3.23935	2.70038	3.09177	1.28867	1.18976
4.67007	5.06677	0.478699	1.82239	2.57675	4.47556	0.979004	3.1973	5.18051	-0.43097
1.28134	-1.4408	3.27185	3.87915	8.7789	3.58011	7.4238	8.9613	4.99326	6.52548
3.29608	2.63965	6.18057	4.28091	7.72043	10.3173	7.56952	4.50876	3.30246	5.73074
4.44034	0.924744	8.60159	6.5463	3.98416	8.54572	5.41672	4.06332	1.45041	5.60315

-1.10764	-1.29007	6.95889	4.83444	2.06433	8.00253	2.93884	4.14932	6.33221	5.36499
3.45624	3.74478	4.3313	0.938019	1.78577	4.59082	0.499512	2.45074	6.84668	0.154266
3.34332	4.57248	2.12164	4.42813	3.07166	1.80099	1.16812	3.55881	4.2178	2.99319
2.05414	3.64746	4.6871	4.4993	4.71234	5.02301	3.32092	4.60339	3.19998	3.01617
2.19382	2.58203	4.9024	3.85104	6.44168	4.08887	3.57379	3.01959	4.16235	3.19748
5.00195	2.07037	5.11182	6.73267	5.92621	6.29871	6.09497	3.5799	3.08374	2.33884
2.91467	3.67661	2.6749	3.53934	5.39365	2.73563	7.60815	4.8559	4.59842	1.44571
1.67563	3.06229	2.7894	4.2637	4.25095	2.69894	6.28317	5.57187	4.12439	3.39346
1.77896	3.91055	2.30609	5.0596	4.29904	3.63144	4.12411	6.03018	2.16571	3.40042
2.32404	2.4035	4.43646	4.58673	3.9162	4.4292	1.0928	6.61069	4.70514	3.20911
-0.233	4.24255	8.1467	3.46854	3.15833	5.10892	6.66562	5.50787	8.53885	5.22214
2.20822	8.01016	5.79599	7.59671	7.80975	3.74213	8.71011	6.49164	6.26682	0.120972
4.93179	6.48981	5.62668	3.98032	5.21741	4.20483	4.62524	6.96481	3.32632	0.855377
4.64902	3.81918	4.0687	2.24432	4.52957	2.14603	4.23041	3.68945	2.08948	0.598389
5.58972	1.95068	4.08945	3.13824	1.87637	1.7424	1.85052	3.88611	3.23801	2.01227
3.95343	1.94974	5.16983	4.15921	3.30902	1.1929	3.70172	5.26828	3.66257	4.90088
5.33713	2.47253	3.92429	3.99887	5.29037	2.32318	4.70511	4.26239	4.00235	4.3895
4.04294	3.71698	3.41983	4.66708	4.54712	2.8537	3.87946	6.18649	1.22824	3.78955
5.60568	2.90909	2.17929	6.08603	4.40515	1.87384	4.78278	9.43228	2.22961	5.65491
2.93713	-0.14951	3.04218	5.5105	0.283142	4.71243	0.696472	6.29416	3.21558	4.77878
4.06647	1.09537	2.69598	7.20459	2.33096	4.54956	0.741791	7.78009	4.79291	-0.61307
2.68335	3.93033	5.33865	6.73724	3.20929	5.82141	4.47519	8.46399	3.12906	4.58411
6.41238	7.33237	10.1882	6.96371	5.79361	2.65359	7.0899	7.45547	-0.98804	6.65182
5.81342	4.82825	5.53448	8.25992	5.43997	5.12631	3.79001	6.88715	2.15302	7.36536
4.41058	3.94592	3.46268	3.16934	5.242	4.98312	3.32547	5.95953	3.69302	6.52109
6.62082	1.0047	2.3143	5.40414	1.21545	2.56943	1.07892	4.75757	4.78177	3.08469
4.34192	5.24777	0.820435	4.33246	3.34247	1.54831	1.40982	7.55441	2.90521	1.51498
4.67215	2.55093	4.12692	2.6124	5.04031	2.539	3.86932	4.06598	4.09558	1.34039
6.12283	2.44653	2.47141	3.27475	2.75256	5.42056	3.20322	3.7728	7.06076	3.08188
6.05634	4.07758	2.62393	5.36548	3.5607	4.88391	2.80057	5.07788	7.64532	2.81024
4.51929	7.211	2.85358	4.00262	7.31827	1.87161	3.21945	4.8999	2.90851	2.94711
4.86505	4.56158	1.46069	4.30951	4.88254	-0.42807	6.98148	3.98477	2.80878	0.855469
3.70209	4.39157	2.30231	4.47089	4.05255	6.08994	4.09061	3.11288	7.18039	1.25711
3.02844	6.1712	-1.25714	1.03143	6.2327	6.487	6.57858	4.0459	8.21204	3.54178
5.63699	5.81854	7.97467	4.38034	3.68912	6.6402	7.00232	5.71356	1.90515	9.20532
0.633728	5.35727	1.84271	2.81232	4.91415	8.76001	7.08902	4.09454	3.07172	5.61087
5.32986	7.8815	5.15689	5.46152	6.65863	5.96274	2.75375	7.03183	3.5213	-0.22211
4.12332	7.3703	2.55579	2.87683	4.03485	2.02612	0.305695	3.98337	4.15005	1.45529
3.77402	2.59467	2.37125	2.12265	3.60995	1.28369	2.22052	2.97021	2.28311	1.66327
2.68506	2.00735	3.28232	2.51071	3.93124	2.8718	1.97504	4.41937	3.2049	0.887482
1.72614	3.24271	5.21588	4.43985	3.30008	4.68216	3.1843	3.3847	3.92145	6.19989
4.39594	5.70929	4.48782	5.40457	6.7771	4.66742	2.38745	5.01828	6.17963	4.00186
2.87048	4.09399	1.9137	5.74664	2.50845	2.48294	2.04016	0.989807	3.9863	2.78339
5.86783	4.32068	2.25479	6.00809	6.97714	3.76263	4.78128	3.12897	3.61099	0.829773
2.30688	1.83298	2.48181	3.52191	5.43976	1.90656	2.49289	3.79428	4.69971	0.548126
5.79544	3.09171	6.14954	4.73523	4.185	4.52899	7.0358	3.54419	4.23004	6.07428
7.61459	5.28827	6.09949	7.77512	6.61172	5.73471	7.32901	9.18567	4.21005	7.07013

7.78674	1.56964	6.19598	6.43082	2.47467	8.93063	1.27261	4.88382	1.54111	6.28827
6.66339	4.69	3.25677	5.38852	0.578522	6.05325	2.87305	2.41382	5.03101	6.00427
1.73083	2.52948	1.7948	4.31332	4.80005	4.54343	3.19171	7.45386	2.96198	5.10339
5.2016	3.65536	2.14822	3.86755	7.48276	3.82062	2.1004	3.70123	3.77731	4.15808
0.942535	3.62164	2.78452	2.54871	4.76062	5.57361	3.66135	2.45258	1.69788	4.47308
4.12051	2.61142	7.4408	4.64447	6.21237	4.87927	3.50751	6.03131	2.32825	5.7139
5.26865	3.61777	3.09521	4.91519	4.22083	5.09619	2.33496	5.76938	4.27875	5.37335
6.00049	5.349	2.14609	3.90152	5.30197	3.01993	1.79907	10.3992	3.17572	5.5242
1.86044	3.60648	1.17679	5.3508	4.01294	2.61984	2.56638	5.76276	2.93649	5.58746
2.69046	4.69867	1.27271	5.3949	4.22986	2.69064	4.72531	4.5907	2.30832	3.91272
3.04764	5.5267	3.17154	6.71964	4.3035	2.39301	6.89551	10.9145	6.93344	-2.63022

18	19	20	21	22	23	24	25	26	27
FGOALS-g2	FIO-ESM-2	GFDL-ESM	GISS-E2-1-	HadGEM3-	INM-CM4-	INM-CM5-	IPSL-CM6A	KACE-1-0-(	MCM-UA-1-
-2.03989	-1.23126	4.02283	-0.85913	-0.28723	3.11581	0.102936	-2.75095	-3.39114	-1.31915
-1.04068	-3.59283	-3.93E-02	-0.77634	4.62582	-0.83658	1.5065	1.59134	-5.21597	-1.01477
0.138733	0.453979	1.70081	1.8689	2.12796	1.02264	1.87683	2.54968	3.09772	-3.23489
-2.09827	0.361176	-1.17648	-0.63321	-0.67679	9.28E-02	-2.03973	0.148102	-0.4039	-2.1235
-0.82831	-1.4025	-4.09E-03	-2.90283	-2.06876	1.43539	-3.55E-02	-0.77606	-1.78409	-2.28784
1.4628	-2.3811	-1.11823	3.02454	1.14996	-0.32767	-2.04529	-0.21793	0.771729	-3.91467
-1.53668	-3.37375	-1.57346	0.626892	1.23004	-2.82925	-1.19305	-0.99176	-1.55844	-3.96118
-0.36966	-0.66885	-2.05441	0.215973	1.022	-2.33493	6.69E-02	2.12E-02	-1.34348	-1.71341
-1.69217	-2.95053	1.08038	0.799744	0.667084	-2.35114	-0.35883	-1.69229	-2.7356	-1.96817
-1.27899	-1.29327	-2.20142	2.543	1.81549	-0.57636	-1.01727	0.433746	-4.30716	-2.69354
-1.72659	1.69296	-0.32489	-4.45667	-1.71164	-0.60577	0.35907	-0.64978	-7.01004	-5.40149
1.25348	-3.52945	0.537354	-0.60138	-1.07706	1.25101	2.18805	-0.30273	-3.29318	-1.09711
1.76303	1.72974	1.40393	-2.41953	0.457184	-1.75998	3.43872	-0.31644	2.21588	-3.15753
-4.75708	-5.38351	3.92023	0.614166	5.84592	-3.1915	1.81262	2.84854	1.45682	1.88583
-2.06516	1.21347	2.07779	2.42621	0.373871	-4.49054	1.37753	2.12808	-3.9577	-1.78659
-3.37537	-0.86585	0.238007	-0.1301	0.603302	-1.44299	-0.91373	5.61221	0.762512	-1.89713
0.449005	-1.073	-1.6351	3.90656	3.11673	-1.841	0.726288	3.43802	1.61533	-0.44504
-2.58728	-1.28778	-0.38574	0.961731	4.13397	-1.49716	2.79E-02	0.317871	-1.38348	-0.87787
0.756226	-2.84415	-1.73926	-0.98291	2.65543	-1.86505	3.58453	-0.26865	-2.38116	-2.94
-1.87097	-2.57785	0.152985	-5.22E-02	2.85809	-1.85724	1.28549	-0.82819	-2.55276	0.785889
-3.27228	-3.16986	-2.06482	0.763031	0.621063	0.570679	-0.7077	-1.58698	1.00473	1.43555
1.55441	-2.45667	0.185883	2.25427	-1.522	1.34375	-0.58127	-1.53094	3.30594	0.979156
0.231903	1.24738	-0.43381	-0.66666	-7.71E-02	2.24872	-1.17853	-0.58496	-2.86111	0.513824
-0.49411	-1.44943	-0.11664	3.15741	2.18494	1.70569	2.33997	-1.13016	-9.18619	-1.0481
-3.57147	-3.34317	-2.84677	-1.9035	1.55017	3.31491	1.13062	-6.23904	-4.67953	-1.50473
9.53E-02	-0.62784	1.37723	2.27426	2.72443	1.62762	-1.08249	0.407043	3.94852	1.71265
-1.44696	-2.13443	-2.12589	1.17419	-2.84912	-1.56494	2.81E-02	1.48288	4.4617	0.13382
-1.46805	0.777863	0.717224	0.314178	-3.35629	0.24823	2.51E-02	1.42532	2.70349	-0.41013
0.314789	-1.9263	-1.20349	0.236938	-1.14578	-0.3436	-3.39E-02	1.22385	1.04681	-1.99313
0.795105	-2.08789	-0.96115	-0.62497	-0.98544	0.528931	-0.35071	-2.34601	-0.45847	-2.01868
0.489319	-0.78705	-3.11914	0.62088	0.146027	-2.93646	-1.76947	0.458435	-0.76706	-0.77451
0.328857	0.773956	-0.91681	1.94507	0.931183	-2.68314	-0.3252	-1.9332	-2.39215	0.124176
-2.27997	-2.94885	-2.00751	-1.13968	-1.73611	-0.88843	0.449799	-0.15778	-2.86267	-0.14056
-1.79248	-1.45547	-2.94662	-1.57953	-1.67661	0.264923	-1.67377	-2.72763	0.366241	-0.32593
-2.4155	-1.25162	-1.72891	1.81503	-2.24304	-3.71E-02	-1.33551	0.56012	-3.62573	-0.40607
-3.27451	0.740051	-2.35925	-1.06799	0.537537	-2.9747	-0.46045	-4.75156	1.46332	-2.29419
-6.48E-02	-6.11127	-3.58276	-1.65402	-0.65622	3.14813	-0.80527	-2.96362	6.33237	0.505646
-2.8436	-8.45682	0.189941	-4.48022	-0.84378	8.12E-02	2.4043	2.27756	-1.26547	0.661652
3.59235	7.07E-02	5.06E-02	-2.99231	3.34088	-0.98364	1.22943	1.90027	-1.87079	-5.40E-02
1.11356	-2.45505	-0.46399	-2.08282	1.62131	-1.25229	1.99097	1.453	-1.93481	-2.31311

1.23199	-1.10211	-0.14789	-0.83835	1.06564	1.96E-02	0.503693	0.295044	-2.64569	-1.43573
7.59E-02	-0.31699	-1.70312	0.37381	2.20117	-2.48856	-1.76682	-1.04681	-0.10288	-0.54279
-0.86597	-2.00592	-3.10965	0.599091	-0.85355	-0.12085	1.60712	-1.94864	-1.53534	-2.00641
-1.70227	-1.39786	-0.53491	-0.93015	0.882477	1.38895	0.27298	-1.51608	-0.55737	0.153992
-2.06598	-0.91943	-2.33902	-0.59876	-0.90064	2.13718	-0.64102	-1.30069	-0.6225	-0.77286
1.30081	-0.81528	-0.85901	-0.64401	1.01727	4.97232	-0.77438	-2.79425	-3.52655	1.18707
-0.69611	1.62866	-0.48541	0.619446	-2.40125	-1.49026	0.583282	0.282532	-0.20993	2.00641
-0.96582	0.105865	1.22897	-2.68619	1.34174	-3.2486	-2.88214	-2.10336	2.16681	-2.62869
-3.77548	-2.30148	1.98944	1.22458	-2.15833	0.311035	-5.39886	-3.58264	2.04846	-4.78745
2.5621	-3.25464	-0.39206	-8.30E-02	4.18253	-0.70328	2.07092	-0.51746	-0.19806	-3.69696
1.44763	0.1521	-1.1506	-1.6994	0.295166	-1.36896	-0.61899	-0.89212	-3.44659	-7.97379
-2.38684	-2.71274	-3.11298	1.25528	-0.14468	-1.39688	-1.55551	2.58621	0.628082	-3.66202
-1.55951	-2.4451	-0.41171	4.35E-02	-1.56827	-0.53259	-0.47253	0.78714	-1.64886	-2.43155
-1.64587	-1.0275	-0.29535	-1.14087	-1.13135	0.400543	1.17929	-0.40833	0.889038	-1.31647
-2.19617	-2.56995	-6.16E-02	1.57507	-1.97345	-0.86047	2.20074	-0.62036	-1.38205	-2.91299
-0.78427	-2.65585	0.247375	0.316376	-1.92841	0.273041	0.817291	-0.29401	-2.60535	0.212982
-0.57626	-2.35556	1.64877	-0.75577	-0.79321	-0.76102	-1.39331	-2.53928	-4.05087	-0.41776
-1.15799	-1.02106	1.47617	-2.56552	1.13507	-2.85107	1.11633	-2.77615	-1.67676	-1.46445
-3.87949	-1.69461	-1.26392	3.69376	-0.16534	-0.59787	-1.30481	-3.12137	-1.66702	1.16052
-1.98013	3.70E-02	0.513855	-3.48288	1.96985	1.01349	-3.44263	-0.44754	-3.57019	2.2135
0.741028	-4.80658	2.54224	-6.08542	1.71057	-1.15668	-1.84976	-0.57413	-3.85162	-1.36243
-0.62241	1.50848	5.03564	0.248962	-1.99496	0.467316	1.38452	0.853943	-5.47137	1.49603
5.33E-02	-0.22693	0.289215	-1.46951	-5.47342	-2.83273	-3.29147	-3.02502	-3.64771	2.91153
0.88974	-2.38034	-0.4773	-6.26E-02	-0.4978	0.535217	-3.17191	-1.12799	-1.19919	0.428192
-0.90021	0.216187	-1.16919	-4.65146	1.48325	-1.47198	-1.24411	0.799927	-0.71988	0.430756
-1.71719	-1.26779	-0.20645	-1.18826	-2.33313	-0.31525	-0.50079	0.518188	1.24673	0.907806
-0.57718	-2.98334	-2.59897	1.07019	-1.08224	-3.16925	-1.11816	-0.10007	-2.46234	1.21469
-1.53427	-0.90485	-0.61963	0.805267	9.65E-02	-0.51624	-2.95981	-1.52548	0.692352	-0.33243
1.07684	-0.87174	1.04657	2.27014	3.64166	1.84067	-1.00693	-1.33447	1.4476	0.141235
-2.4361	0.367035	0.105682	1.94937	-2.8125	0.942841	1.08893	-1.10745	-0.34647	-3.55353
-7.19E-02	-3.98584	0.16571	0.71933	-1.41934	-2.51855	-0.16724	-1.32538	-4.69153	-2.48779
2.19958	-3.18713	1.64517	1.61661	-2.96005	-5.13721	-2.99155	-1.70874	-3.54941	1.26999
-2.68637	-5.42538	3.40234	2.78818	-1.35202	-5.42728	2.10391	-3.62762	2.17526	0.131348
-0.75531	-4.86194	0.354523	1.76776	0.405121	-3.07379	4.0387	-4.57285	4.29843	-2.34097
0.858032	-3.74213	-2.78391	-0.6535	2.68655	-4.70953	8.25E-02	-0.40042	6.31E-02	-1.98227
3.21085	-2.64594	0.687805	2.58408	2.76801	-1.14069	-0.94293	3.65842	-0.1489	-3.52472
-1.00571	-1.6839	0.6763	-2.58E-02	1.07285	0.625702	1.89627	0.399139	-1.85239	-2.75015
0.549713	-0.31268	0.88147	-1.27628	-0.32703	-1.62164	-1.61041	-0.49243	-3.78268	-2.73837
-0.70596	-2.22934	-0.55866	2.46658	0.316742	-2.49268	-1.34808	-1.97617	-1.35995	-2.36911
-0.72534	-0.92856	-2.22043	1.10068	0.935303	-1.39273	-2.25961	-0.71368	-0.24655	-0.8681
-0.23547	-0.45245	-0.12943	2.21985	0.886261	-1.26791	-0.68262	-1.08359	-2.00339	-3.94464
-1.55728	-0.38055	0.39798	-0.25122	-3.2135	-2.00827	-0.92349	-0.95914	-2.20544	-1.83844
-1.9389	-1.89392	-1.46579	-1.21225	-1.18713	0.153931	4.24E-02	-1.74817	-1.43353	-2.22488
-1.32101	-3.13214	-0.58054	4.1409	-1.16925	0.8685	-3.74014	-3.23636	-4.14319	-1.8714
2.05972	-6.77759	-0.69046	0.606171	6.32776	1.07162	2.80E-02	-6.24683	3.85928	-3.52463
-7.3811	-2.76892	0.225525	-1.55783	3.53503	2.30252	-1.69098	1.85254	5.17664	-3.15884
-2.16507	-1.76431	1.50162	-4.96E-02	0.687256	1.65247	-2.68307	1.01898	-1.46609	-2.43518

-0.86945	-0.95035	-0.72638	-1.59512	2.1427	-0.43997	-8.40E-02	2.13962	-0.8461	-4.4075
-0.9447	-0.93701	-0.17999	-2.55576	0.428741	1.08701	1.99298	-0.63217	-1.73737	-4.06073
-0.77548	-0.3056	-1.90045	6.12E-02	-0.83875	1.91956	-0.48129	0.531464	-1.14279	-3.83368
-2.02206	-1.34042	1.02975	-0.63184	-1.28967	-0.61227	-1.47906	-1.49796	-0.33356	-4.54709
-2.11307	-1.95566	-1.4136	0.109772	-0.56302	-1.21365	-0.32892	-1.60941	-1.22946	0.146973
-4.31976	-2.12863	-0.62381	-0.30325	1.78006	-0.60873	-1.0144	-2.02487	-1.85739	-0.11325
-1.8732	-2.80228	0.914368	0.293274	-0.72913	-0.21317	1.48572	-1.63693	-1.53696	1.21497
1.80362	-1.47232	9.85E-02	-0.26996	-2.12366	-2.01108	0.448883	-4.23026	0.766571	-3.45187
1.40649	-3.86795	0.970459	0.119904	-2.29346	1.33249	2.87277	-5.02896	0.378204	3.63E-02
3.41113	-2.20978	-4.96967	-1.95532	3.93536	1.22043	-1.65936	-10.0363	-9.77164	2.02127
-3.84909	-4.43872	0.286438	-1.04312	0.412628	1.0827	-0.85761	-1.58435	-1.26898	-0.60934
3.14514	2.21609	3.76752	-1.64969	-1.26642	1.02194	2.41E-03	-4.90015	-0.91919	-3.78958
-4.69864	-2.60922	1.01172	2.48849	-0.68298	1.25122	0.720581	-0.79419	-2.55719	-2.29132
-2.3884	-0.38971	-1.43842	0.815338	-0.45648	-0.7829	-0.20062	-0.94626	-2.72128	-2.59503
-1.22849	-1.40439	-1.33585	-0.55258	3.37E-02	-0.54666	0.643188	3.57E-03	-2.92148	-6.6236
-0.43308	-2.71014	-0.51544	1.12167	-0.60965	-0.49405	0.106445	-2.03116	-2.04117	-1.1929
-1.10587	-1.46094	-6.45E-02	-0.21933	0.201294	2.85336	-0.85251	-1.9039	-1.10077	0.258087
-0.24765	0.616241	2.90207	1.07703	-0.65964	-1.64832	1.82068	-2.48837	-1.91229	-1.50946
-1.1507	0.600647	-2.24384	-1.67352	-0.39401	-0.65686	-0.32437	-1.09174	-1.62955	-1.40173
0.374908	0.149963	-1.2392	0.456848	-6.40753	-1.21387	1.54977	-3.92117	-5.52524	-1.38098
-0.82312	-0.22473	1.74786	-0.3971	-3.31387	0.445007	-2.61682	-2.48553	-1.759	-2.73801
-2.49448	7.17001	2.43802	0.322998	-7.70944	-0.4195	-3.83987	8.72E-02	-3.54575	-2.69464
-1.85208	2.91336	-1.05478	-1.01773	-7.12268	1.2421	-0.25488	-2.31107	-0.45117	0.549652
5.30756	3.17758	1.58301	2.07559	-0.74182	-0.71243	-0.19696	3.03787	-3.12378	-2.2121
0.757355	0.971466	2.68433	2.57379	0.2258	1.20282	-0.48163	1.30121	-2.04709	-2.55661
-1.98282	0.512512	-1.0994	-1.42276	-0.91238	0.599396	0.113464	-0.40607	-0.62918	-0.60056
-0.48599	-1.74088	-0.89615	-2.24039	1.07236	-0.51724	2.77829	-2.39081	-0.38538	0.36142
0.938141	-0.69342	0.137848	-0.37802	0.917755	-1.09705	1.89764	-0.38007	-1.94635	-1.5303
0.73465	-0.39676	-1.9559	2.72617	-2.35519	-2.23285	-0.9762	-0.8107	-6.15E-02	0.825073
0.347748	-0.17575	-1.79883	0.846436	-1.03864	-3.42E-02	-0.32593	-0.12497	-0.44669	0.948944
-2.5199	1.83725	2.46558	0.295074	0.148499	-2.41656	-0.19519	0.467468	-0.89636	2.28418
-3.30588	0.337982	3.09988	0.476135	1.83325	-2.02E-02	9.73E-02	-0.31787	-0.88074	2.46603
-0.20593	0.210358	2.55725	2.25171	4.60535	1.2951	-7.64642	-0.28424	-9.18311	0.139801
-2.46317	-7.00308	0.420837	-3.7832	0.571869	3.54022	0.292511	-1.44263	-0.73572	-4.36435
-5.21561	-1.34372	3.70E-02	2.89E-02	-1.04886	1.34341	1.65552	-2.83636	2.21533	2.54993
-2.72745	-1.36401	1.46841	-2.90051	3.52206	3.26105	-0.62018	-6.99762	1.5528	0.226624
0.601135	-6.72513	2.37833	2.56378	0.202698	1.46411	0.622467	-0.7403	-3.87241	1.62509
-8.18E-02	-1.46249	0.400085	-0.62595	-1.40628	0.845001	0.349365	-0.43277	-2.40549	-0.72653
-1.20969	-0.854	6.09E-02	-2.44138	-0.48813	0.293243	-0.49622	-0.54053	-2.58258	-1.57407
-4.10968	-1.10083	0.133057	-0.45773	-1.43195	-0.60065	-0.82486	-1.22354	-2.54117	-1.63278
-3.96585	-0.13864	-1.38821	0.694855	-2.92502	0.690643	-3.3252	-1.23599	-2.72086	-2.98792
-1.29977	-2.79306	0.258179	3.92984	0.452881	-2.41254	-3.80551	-0.73767	-0.4061	1.20413
0.541504	-1.49146	0.480469	-1.88962	-6.35E-02	-1.27185	-2.25308	-0.85635	-2.08066	0.347565
-4.09128	1.46646	1.28891	-0.63586	2.35785	-1.31888	0.752289	-1.22458	-3.89172	-2.42538
-0.64203	-4.64404	-0.69565	0.488403	0.30304	-2.42639	-0.36453	-0.77966	-5.92938	-0.79239
2.60443	-4.60419	1.18982	-0.6228	0.770264	-1.04718	-4.12418	0.623474	-3.49704	1.17847
-5.87299	0.480469	-2.46198	-1.50644	-2.11276	-3.23978	0.902496	-1.87054	1.48392	-1.20935

-3.97397	-0.42133	1.61542	-0.2337	0.744354	-1.03696	-0.44067	1.42807	-2.18069	0.438904
-1.11945	-1.22803	0.149902	1.194	-2.32858	0.237915	-2.62143	1.237	-3.85269	-2.19141
-2.68301	-2.952	0.479797	-0.46915	-0.88568	6.56E-02	-1.08353	-0.97537	-1.60608	-2.01413
-1.28619	-2.96948	-0.39313	-0.97076	0.865265	-0.65515	0.601288	-0.84552	-0.57227	-2.48599
-2.12405	-3.57773	-1.50635	0.474579	-1.83755	-0.57065	-1.26218	0.227936	-1.12415	-4.16
-2.47177	-3.76855	-0.94803	-2.19385	1.40E-03	-1.59006	-2.3923	-1.52341	-2.01886	-2.733
-0.50967	-1.79825	-1.51483	-0.19788	1.32407	2.30338	-2.47061	0.925812	0.327911	-0.18665
-1.1702	-0.49667	-0.83792	2.3313	0.428772	1.18033	-1.60858	-5.69E-02	-0.23966	2.04846
-0.11069	-2.08401	-1.95251	-0.44266	1.99857	-0.91696	-0.27283	0.530945	3.79718	0.392914
0.992493	3.71536	1.69855	-2.0838	-0.96777	1.56509	-0.77252	-7.93344	-1.6153	0.316803
5.50891	1.83463	-0.33176	1.91397	2.86108	4.92072	2.17383	-3.00204	-0.28854	-0.66473
1.38519	0.623077	8.82E-02	-3.06714	0.856232	0.57251	-0.9144	2.50613	2.16531	-2.04666
1.73624	2.17169	1.6572	-0.46951	5.66E-02	1.79376	-3.06659	0.501678	2.86371	3.16E-02
1.45886	0.556366	1.76602	-1.40732	1.76169	1.36703	-0.3446	-0.48898	1.33051	-0.61121
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-0.65237	1.12082	-1.05E-02	0.208832	1.21997	-0.16327	-0.78229	-1.15161	0.543121	-3.59369
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-2.68097	0.852051	-0.76343	0.436676	0.969177	-9.52E-02	-0.5076	-1.95169	-1.11917	-0.40741
-0.59476	-3.34235	-3.63882	1.79382	-1.02533	-1.63113	-1.52512	0.201324	-1.4722	-2.84116
-1.13098	0.226227	-0.23453	3.7746	-4.43433	-0.20407	-1.46469	1.35547	-2.91464	-1.20374
0.464294	-5.04E-02	-0.64441	2.02274	0.636658	0.846619	-3.16412	-0.46637	-1.84082	2.37103
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-1.46246	-2.02213	1.46143	-0.50552	-2.96671	-0.50867	0.74057	-0.8349	0.964294	-0.9321
0.46698	0.142487	0.912903	-2.19714	-0.21976	1.34232	-0.94553	1.29764	-3.70E-02	-2.50433
-1.23788	-0.74408	-0.34854	0.895111	0.586761	-1.66287	-0.37991	-0.12021	-2.28119	-0.13519
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-1.49576	-1.42804	0.112885	1.36435	0.576294	-1.21484	-1.53012	-2.4039	0.621033	-1.03461
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1.60498	-1.88196	1.24765	-1.75589	-3.08487	-1.06519	-0.31213	-2.29404	-4.02191	-3.76901
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1.82864	-1.46646	-1.43832	0.779266	-1.49872	0.659851	-2.5925	-1.56281	-1.38126	0.344391
0.594727	-0.48615	-0.14862	8.94E-02	-0.87094	-1.16E-02	-2.3649	-1.91397	-1.13229	0.120148
-2.60147	-0.28946	0.244965	1.82867	2.53729	1.92752	-0.19867	-2.02234	-2.60165	3.38327
-0.52008	-2.96384	1.85809	-0.21527	4.97906	-1.39578	0.170685	-2.12338	-1.71512	3.03793

9.02E-02	2.53757	-3.12656	0.43512	3.27753	1.47742	1.51328	-2.06076	-6.6702	2.8884
-0.43869	1.17844	0.238739	0.519287	-5.42514	0.330505	3.56714	0.349152	-2.62152	0.521454
-4.65228	-4.62924	0.303925	-1.82391	0.389038	-0.7486	-4.6507	-5.33984	1.62173	-0.25546
-1.34436	1.65268	1.53839	0.179596	3.32565	-2.87186	-4.39719	-3.28152	-1.71808	2.01373
-0.21994	-9.81E-02	1.16132	-1.55283	3.98181	0.531311	-1.61383	0.357208	-0.8093	2.4946
-0.7356	-2.40439	-3.43719	0.212067	4.87E-02	1.75E-02	-0.58133	2.08832	-2.27808	-1.97983
0.7453	-3.75049	-1.40494	-1.50928	0.512756	-2.11584	-2.2045	-0.77301	-4.41809	2.49323
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-3.68781	0.482269	-0.71262	0.874329	-1.74484	-2.47998	2.26508	0.747833	-1.06223	-0.51358
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5.89304	0.671875	-1.58929	2.52191	2.77567	3.15247	-3.39117	1.78256	0.133698	1.16043
1.65976	-0.14414	-5.89E-02	0.808899	-0.5556	0.912628	0.43277	0.983826	-0.4556	-2.69122
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-0.28796	-1.88837	0.662476	0.602753	-2.53281	-0.84164	-2.3447	-1.21899	-0.26886	-1.18E-02
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-2.81158	-3.47168	2.45319	0.821594	0.5224	0.951721	-1.03369	0.515961	0.502136	4.25E-02
1.12912	-0.51721	-0.5452	1.37454	0.228241	-3.54236	-0.17862	1.85812	0.601776	-2.91467
-3.13922	-3.22235	-1.41486	0.732605	0.256042	-2.23181	0.678162	-0.39716	2.396	1.75351
2.81482	-4.97287	-0.35046	-0.71863	4.34668	-0.75998	0.723022	-2.80765	7.46588	-1.07095
-2.00739	-4.65952	-3.85568	-0.28894	4.32343	-1.9064	0.609711	-4.25867	0.686829	-3.99765
-3.45294	3.05228	-3.6973	0.634094	-0.10703	-1.11765	-0.40897	0.433167	1.3233	-3.27399
7.68E-02	-0.39804	-0.73218	1.49E-02	-2.65939	-1.22589	-1.13913	-0.33618	-3.03839	-0.60602
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0.755524	3.63904	-3.29218	1.99548	1.65277	-1.87949	-7.18518	-3.23663	-3.85364	-1.85095
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1.72E-02	-1.60123	-1.3819	-0.39102	0.726807	-1.07349	-3.26291	-4.19678	-8.14E-02	-2.142
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0.617676	0.179169	3.23126	-1.4256	-2.82227	-5.3157	0.743652	-2.35E-03	-8.96219	-0.9614
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1.72003	-1.29611	1.18179	0.181702	4.60138	-3.44504	2.18341	1.23856	-2.63089	-1.9715
-1.40335	0.427551	0.458923	1.44559	-3.86429	-1.30566	-1.85703	-0.76068	-2.19839	1.30319
2.2016	0.695801	1.43298	2.20926	0.410126	0.601196	-1.83072	-8.17E-02	-2.12506	-3.49554

2.43332	-0.26639	-0.29843	-0.12158	-0.79163	-1.54626	-2.3952	-0.72113	-1.18567	-2.87869
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2.05954	2.18777	4.73621	-1.8486	-2.17264	-0.93546	-1.93246	2.45447	2.26361	-0.58148
-0.76627	-1.25885	0.348114	0.411987	-3.0799	-0.65299	-2.25372	0.158508	2.039	-4.49E-02
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-0.96216	-1.26474	-0.85416	-1.54532	-3.37665	-1.83096	1.73993	-0.69147	-3.22305	-1.66479
-2.98627	-2.54266	-2.35342	-0.62323	-1.7738	-0.44574	0.264496	-2.93369	0.815125	0.88858
0.21225	-2.39716	-1.95703	-3.05087	-1.08344	0.294586	0.300385	-0.99597	1.3179	1.79214
9.22E-03	0.666046	-0.40741	-0.53162	-2.72162	-0.32416	-2.09879	-0.76944	-0.15164	-0.59772
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0.543671	0.21936	-9.70E-02	1.47791	-0.20465	-0.3923	1.36948	-3.33813	-1.83328	-4.29251
4.88702	-0.49219	0.237946	-2.66	0.405457	0.693634	-2.60617	1.73257	-3.31592	-3.52203
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0.10144	0.884277	-0.9856	1.65417	1.9707	-3.38147	-2.57101	-0.70679	-1.1893	-5.20212
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-2.7316	-2.14948	3.93E-02	-1.84299	-1.54395	-0.71845	-0.96091	-2.44443	-3.63547	-0.34567
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1.42673	1.13086	-1.32193	1.79922	-3.02933	-0.37412	-1.72153	-2.49539	-1.78137	-2.43066
0.685211	-0.65167	-1.07303	-3.0444	-1.4512	-0.60675	0.702332	-2.29355	-2.32916	0.771271
-1.12509	0.75708	0.314606	-1.56546	1.40906	-1.92377	1.62259	-2.88596	0.892059	-3.40097
2.728	-1.55893	2.58606	-2.00928	-1.39838	-3.8815	0.132568	-1.27765	-3.85251	2.9079
0.404419	0.348511	-2.87427	0.22229	-2.50433	0.508331	-1.44687	-1.45593	-1.04553	0.766174
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0.590912	0.661285	4.15793	-4.87451	-0.77799	-5.11478	4.12881	-0.98087	-0.74158	-6.39957
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0.428101	1.78284	2.93427	-3.4407	0.594482	4.00E-02	-2.72977	-0.72855	0.198547	-7.51184
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0.743042	-2.45984	0.482117	-1.1907	-1.28641	-0.71527	-0.63193	-2.69229	-1.9169	-0.95291
1.22931	-1.7301	-0.42191	-1.54803	-0.21256	0.399414	0.97998	-1.21075	2.30371	1.31305
-9.39E-02	-2.53058	0.64917	-2.14908	-1.62692	2.52353	0.61969	-0.63681	1.93591	-1.91559
-0.63248	-0.73242	0.910858	-0.23691	0.564728	-0.67035	2.13354	-1.66086	-1.03796	-1.32568
-2.17566	-2.60376	0.546295	0.688354	-0.6181	-2.69125	-1.38852	-3.03448	0.887238	0.718292
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-1.69791	-0.96472	-8.02E-02	4.11835	-1.28815	-1.05698	-1.67963	-3.53748	-1.67313	-1.01147
-1.87082	2.18466	1.78787	2.84552	-4.16068	-0.6156	-6.62854	0.661041	-7.008	0.869507
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-0.461	-0.71164	-0.79297	1.57819	-2.66916	1.2265	-0.11639	-1.32144	2.05853	-0.50107
2.07333	-8.72E-02	1.6582	-0.72022	-0.92084	-2.56424	1.42221	-2.27924	7.3721	-0.2056
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2.81E-03	-1.26907	-1.57831	-1.7229	-0.96622	-1.30145	1.45102	-3.98843	2.90353	-0.67352
1.7283	-2.08243	0.272705	3.01105	-3.91916	0.55603	-0.26172	-1.86465	-2.66763	-0.74719
-0.44431	0.263367	0.946259	1.64972	-1.70557	1.35449	-1.43054	0.856354	-5.1481	-1.47369
-6.33E-02	-2.47006	-1.09778	0.754669	-0.16715	-0.34317	2.09714	-1.19934	-4.35312	-3.25494
2.03461	-2.59644	-6.00488	0.328674	2.20224	0.356598	-2.0264	-7.47757	-3.89868	1.39563
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1.19531	-2.08246	0.648773	-1.56073	-0.87613	1.82672	-0.43387	-3.49615	-3.75436	-0.50604
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1.17584	-0.94153	-1.17535	0.14917	-3.53647	-0.77365	-1.88E-02	-2.44745	-0.76944	-2.1777
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-1.86206	-0.83426	0.385468	1.20642	-0.50174	-1.01752	0.731598	-2.79779	1.16263	0.381836
1.43E-02	1.06E-02	-2.58661	-0.638	-3.14072	0.976227	-0.40009	-2.72955	-2.15854	2.57416
-0.61029	1.59729	-0.3215	1.44244	-0.88315	1.57224	-0.12122	-1.55438	0.375885	-1.45618
0.26297	-0.64594	2.42355	2.57422	-3.24957	1.97311	-1.46213	-4.55814	-2.44281	1.59702
1.43082	4.38052	3.09552	1.02087	0.44577	3.79041	-4.53107	-5.22345	-2.25754	-1.13464
-0.3721	1.57187	0.53714	-3.66803	-0.99008	-4.83469	-2.2496	-4.63855	-5.12369	-2.07645
-2.00827	1.5188	-2.84171	0.11911	-3.17203	-3.77145	-0.67127	-4.26822	3.46112	-0.14349
-1.91385	0.566376	1.75671	-4.03552	-4.34628	-1.51407	-1.98242	-2.53568	3.53088	2.90918
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0.526337	-1.48196	-1.2973	-0.65955	-3.64E-02	1.31784	-5.65E-02	-3.50369	-3.61017	-0.78043
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1.51041	-0.31665	1.30957	-0.17352	-0.11392	2.82425	0.64621	-2.65384	-1.99976	-2.63434
-1.18088	-1.14014	2.17731	-3.29565	0.649567	1.18234	2.05237	-2.68436	-2.92722	-1.90567
1.0564	-1.22305	0.146057	-2.7222	0.655548	2.6817	-0.71744	-0.74945	-0.2489	-0.93701
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0.731018	0.844269	-2.73328	-3.32874	-1.88626	-1.8829	3.44812	-0.29855	1.90732	-2.88327
-3.42715	1.1261	2.65662	1.715	2.34128	-4.06525	0.529419	-0.23132	0.538605	-2.99118
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-3.25812	-0.9939	0.242004	0.564758	-0.17816	-0.28268	1.60587	-1.78568	-1.39346	-0.24103
-0.86948	-2.12527	-1.02823	1.52762	1.68497	-2.86026	1.42529	-1.31873	-0.81867	6.23E-02
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7.06E-02	-1.45255	0.227966	2.46045	-0.65753	2.56488	-3.1792	-0.75168	-0.77249	1.18945
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8.86E-02	-0.71783	1.00912	-0.8793	0.912506	-2.40668	-2.19302	2.1792	1.85629	-3.20041
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3.46573	4.61E-02	-0.23492	0.928345	-2.44772	1.18597	0.298981	-1.98306	-1.46048	-0.89764
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-3.09265	0.556976	-1.71921	1.6951	-3.95404	-0.56644	-2.11237	-4.55914	3.03052	3.8623
-4.23685	0.96225	-1.9621	-0.246	-2.2475	-0.62949	-2.69833	-3.3024	-7.79E-02	-0.72162
-3.05389	-3.6427	1.93649	-0.12573	-1.95828	0.335205	-1.32141	-2.61618	-1.58047	-2.71185
-1.43069	-1.1666	8.88E-02	2.10733	-0.97012	1.78714	-0.58051	-0.46433	-3.27579	3.34253
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1.47604	-3.42725	0.442383	1.28845	-0.20111	-0.29346	-0.5445	-4.25171	-2.07156	0.42099
0.24884	-4.20224	-1.17371	1.02484	-0.68512	-2.69281	-2.82092	-1.32758	-1.69629	-0.51306
1.16522	-1.29758	0.197388	-5.35E-02	-0.83081	-0.31906	1.86453	-3.89743	-1.30484	0.465973
0.85672	-3.25513	-1.62421	2.51245	-1.69376	-1.21976	-0.57553	-1.05176	-2.85962	-2.36508
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2.04861	-3.74496	-2.89136	-0.59082	-4.84534	2.07602	1.53201	-2.50494	3.81787	-2.60803
1.77121	2.11597	-0.30286	2.94586	-5.66019	0.451111	-0.75971	0.580048	0.948517	-1.04816
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7.32E-02	-0.46314	1.6152	-1.27252	-1.7514	-0.21848	0.642578	2.26291	1.68768	-1.43192
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-3.12604	-4.10245	2.09262	-1.79391	1.3736	-2.41028	2.03159	0.9328	-1.43381	-2.53241
1.20129	-1.99219	0.542084	-0.54724	0.797028	9.49E-03	0.517487	-1.43036	0.185638	-2.02023
-1.0127	-3.58859	2.19656	-0.31036	-0.50104	-4.24E-03	-0.33429	-1.44861	-1.51569	-0.97409
-1.38736	-2.35083	0.725647	0.870667	0.59494	-1.34747	-2.84988	0.475159	-3.28345	-2.6076
-2.11185	-1.30594	8.58E-03	-2.24792	-0.2056	-1.19226	-0.91342	-2.03101	-2.23325	-0.35062
-0.81107	0.206665	0.535675	1.36E-02	-1.24872	-1.13834	1.25427	-3.00458	-0.38358	-2.88837
1.9801	0.541534	-0.24252	-0.26141	-0.25113	0.792328	-1.47568	1.71295	2.69244	-7.22772
0.644104	-0.13413	-0.58221	-0.94855	-0.45053	1.35144	-0.22162	-2.03497	-0.24832	-2.04688
-4.96823	-0.68854	-1.72086	-1.78638	-3.87805	1.94809	-3.42615	1.15546	1.84671	-3.78448
-3.36499	0.656433	-1.01407	-2.58493	-5.57465	3.44522	-3.50989	-2.63052	0.738556	-1.12964
-2.35388	-2.90164	0.276245	0.406158	-5.35437	3.5654	-4.61508	-4.57144	0.460022	6.35E-03
3.99435	0.51709	-2.25119	-1.62299	-8.79523	-1.59476	-4.42499	-2.81433	-6.59641	-0.24478
-0.65994	-0.67194	-1.44247	1.2536	-4.4006	-8.56E-02	-0.91113	-0.82269	-2.25879	-1.5264
-0.70889	-1.39691	0.632996	-1.41544	-2.58746	1.14941	0.391785	0.357941	2.17822	-1.45813
1.25272	-2.74689	-3.89E-02	2.19781	-2.83722	-2.96E-03	-0.31711	0.488892	-0.75436	-1.15268
0.956329	-1.39343	0.781342	-0.75433	-0.92477	8.83E-02	-0.97037	-1.88174	-1.70966	-1.16211
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-1.9848	1.87808	0.727112	-2.14487	-4.06E-03	0.71814	-0.61923	-2.97766	-0.80664	-7.27E-02
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-1.56836	-7.1098	-1.48709	-0.99149	-0.58624	-2.40585	-3.64188	1.56848	-0.2984	3.47983
0.151855	0.974976	-1.29489	-1.27402	-2.0228	0.223328	-0.65253	1.3074	2.46298	-2.32562
-0.64212	1.65369	-1.52371	-1.12546	-2.40796	7.38E-02	-0.57361	-0.89386	-5.49829	1.46255
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-1.31146	0.790955	-1.2637	-2.59802	-4.24591	-0.25705	0.726105	0.424591	-0.35757	-1.7182
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0.470184	2.21057	-9.63E-02	3.84271	-0.81317	-0.12381	-2.64484	-4.96844	-1.66071	0.840302
-6.49588	-3.33539	3.16232	-0.36383	1.84647	-1.06219	4.03513	1.47556	-2.46274	-6.61285
-0.85559	-0.49823	3.05273	1.44727	0.790527	-6.8999	5.89032	-1.73337	-0.66168	1.23154
-0.15125	1.2363	3.00369	1.81711	-4.31332	-2.07175	4.93314	2.46298	0.230621	3.21051
-2.80865	-2.47913	1.51593	0.949097	-0.85471	1.51962	2.17719	-1.9245	-1.0401	1.33899
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9.42E-02	1.05527	1.69171	-0.54971	-0.72211	1.64651	2.12857	3.65332	-3.6225	0.543976
0.213806	0.152191	1.50519	-3.14105	-0.47766	-0.30579	0.112274	1.22473	-3.75949	-1.55774
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0.278839	-2.34543	-1.27374	-0.38763	-0.48557	-2.28955	0.58844	-1.10336	-1.45557	-0.85208
-7.97E-02	-0.55084	1.8754	-1.68112	-1.35931	-2.68353	0.999878	-1.30099	-1.13855	-2.07892
1.41513	0.317261	2.09869	-1.67096	0.576263	0.457672	-1.07E-02	-0.37509	-1.47168	-0.50275
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8.03E-03	-1.1853	0.157959	-1.51529	-1.22025	-1.69666	-0.73541	-0.27814	-1.59268	-1.06647
0.141327	0.160767	0.312042	-2.21631	-0.78476	-1.20816	-2.28406	-1.70505	-1.51917	0.387817
4.82E-02	0.295563	6.47E-03	-1.60834	-1.14221	-1.22614	-1.16891	-2.22079	-1.26895	0.415283
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1.35782	2.57E-02	0.894409	-0.95505	-0.47894	2.79633	-1.13531	3.12473	2.40536	-0.99237
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1.70483	1.70404	-1.27606	-0.39462	5.06308	-1.71078	5.50311	3.49646	-7.49783	-0.67233
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0.15213	0.864777	-1.20474	-1.76993	-0.68347	0.581543	-2.37585	-1.62515	-0.38046	2.06641
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2.60474	-0.19046	0.575867	1.46942	2.22198	0.592987	-0.16071	-0.39987	-0.51498	-0.75327
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1.74796	-2.45892	-0.33148	-5.04041	1.52231	0.76181	-0.99722	1.23212	-0.6348	-0.40472
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-0.48889	-2.41971	-0.556	-1.94415	2.07504	-0.7272	4.20E-02	-2.53128	-1.81198	-1.52264
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-0.89847	-2.21884	-2.21234	-1.88293	9.76E-02	-1.32126	-0.81787	-1.06436	-1.06555	-1.11731
8.94E-02	1.54333	-1.20273	-0.55704	5.79E-02	-0.54074	0.306305	-0.5033	-1.11417	-2.25381
0.299225	-0.18594	-1.79782	-2.31516	-0.82062	-1.97931	0.133301	0.316132	1.06003	1.44025
-0.8989	-2.59836	-1.45453	1.0065	-0.8728	2.06033	-0.89249	3.16E-02	-4.97125	-0.70422
1.5231	-0.61084	0.977905	0.648041	-0.72864	1.32642	1.22546	-0.46997	0.679871	0.433136
0.262177	-4.21E-02	0.600647	-1.1171	-2.38437	2.4924	-1.59442	-1.50305	0.2612	1.14569

3.16412	-2.81027	3.15823	3.07559	-0.22803	-1.59827	1.19772	3.17798	-1.56442	-2.71054
-1.5209	-1.64703	0.726929	3.80048	-6.82538	0.64621	-1.87009	-1.48337	-5.89658	-2.47736
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0.461243	-1.51575	1.33981	1.37448	-2.09048	0.557007	0.903076	-1.59149	-1.2092	-6.7847
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0.161224	-1.43488	-4.32E-02	-1.14249	-0.50754	-1.13907	0.673187	-0.89862	-4.28549	-1.34509
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2.96933	3.26721	-1.43326	0.297791	3.28488	-3.15518	-2.41077	1.13046	-0.52963	-1.75525
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0.670319	0.766479	1.19055	-4.24E-02	-3.69937	-1.66135	-0.80417	-2.15015	-1.62827	-1.02161
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-0.71506	-2.80E-02	0.733795	5.48E-02	-1.82562	-3.38193	-0.25201	-8.34E-02	1.02121	-3.83E-02
-2.3501	1.78372	-1.02072	-0.7579	-0.51822	-2.61157	0.378326	1.27667	1.45013	1.07248
-1.82309	-0.19272	-0.1362	-4.09E-02	-1.82816	-2.67786	1.17679	2.08023	-2.93463	0.871307
0.287781	1.44366	-1.15915	-1.3233	-1.88275	-2.60999	-3.98083	0.809357	-0.57581	-1.8649
-8.51369	-2.34827	-1.79007	-0.93811	-0.58054	0.328827	-3.55597	-0.98395	-2.77155	3.41E-02
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-6.50015	-4.93863	-2.29889	0.214813	-0.23013	-1.66113	-3.13708	1.17108	0.912903	0.685822
-2.15146	-2.14893	-0.13669	1.61008	-3.4758	-0.98538	-1.32843	0.170807	-1.2749	-0.25742
1.0127	-1.74219	1.7178	2.45557	-3.10767	1.52789	-0.73084	-3.46567	2.01422	2.54156
0.728424	0.618103	2.71686	-0.84207	-2.42203	-0.20105	-0.78189	-2.22992	-3.93127	0.885132
-0.94827	-1.59595	-1.07034	-0.45651	-0.36905	-1.23785	-1.41397	-0.71027	-3.73764	1.7041
0.414551	-0.41846	-2.40143	-0.54962	-2.3017	-0.84235	-4.79E-02	-3.28931	-3.01077	1.05219
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-2.98608	0.390045	2.10547	0.770599	-2.65091	-0.39465	-2.98059	-1.31995	-1.20865	3.49905
-1.86E-02	-1.04672	0.812805	0.456329	-2.77414	-0.68308	-1.18771	0.308624	1.77127	0.509827
3.63068	-5.91943	1.51755	-1.57529	0.870026	1.29379	1.14285	0.21875	0.60611	-0.91959
1.85403	-3.36618	-2.17316	1.83539	6.31326	2.32343	3.68213	-0.36005	-7.51102	-2.00183
4.16901	-5.26474	0.192627	3.68878	0.647125	1.70682	3.62	-4.49304	-3.24667	0.673553
2.96063	-2.46521	0.628998	-1.4201	-3.11874	-0.58676	0.82901	-2.26883	-2.1037	9.29E-02
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0.483032	-0.14487	-1.46841	5.68E-02	-0.6203	-0.72025	1.76358	-0.19229	0.516754	-3.47101
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1.54251	2.10944	-1.01373	0.906982	-1.87292	0.550629	-0.21597	3.61417	-0.66965	0.516266
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1.3027	-1.6976	-0.20471	0.103851	-1.33966	-1.10449	-1.11612	0.785431	0.322418	-1.03223
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3.20599	-1.49634	-1.29688	-2.32681	-1.50528	-3.62E-02	-4.9841	-1.57416	1.11734	-1.74554
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1.10971	-0.81888	3.37473	1.44769	-1.19873	1.94363	1.70892	-2.66992	-0.33594	0.37146
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4.75E-02	-3.44073	4.3681	0.854675	-0.6857	1.05902	0.173889	-0.55048	-2.73489	-0.1138
1.96948	-1.03329	0.46521	0.666656	-1.29788	0.684601	2.83228	-1.02087	0.44632	-3.63403
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9.74E-02	5.53E-02	3.77E-02	-0.87116	-1.03232	-0.29031	-1.323	-2.96457	-3.61978	-0.60895
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2.36578	3.69327	-1.19864	-4.9093	-6.11227	-0.17581	2.27606	-1.20575	0.784088	-4.27328
7.19333	3.74841	1.47803	0.314972	-4.44113	3.95053	-1.53796	-3.56274	4.78928	-2.25574
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0.63031	-3.18524	0.434143	-3.66342	-6.51569	1.5437	2.4393	3.05E-05	-0.72559	-3.91245
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0.345703	-0.80075	0.957672	-0.28372	-2.2597	-1.09457	-0.95288	-0.78125	-0.99524	-3.18414
2.10971	1.51657	-1.73029	-0.79816	0.799957	-3.18646	-1.07513	-1.72708	-0.42722	-0.20389
-2.57773	1.66037	0.20517	0.237701	-4.48926	-3.6723	-5.65375	-1.87354	-3.28E-02	-2.1676
2.09E-02	2.77722	-3.68228	-1.966	-0.89233	-4.11209	-2.86337	1.67188	-1.50232	-4.98135
-8.82541	-0.60043	-0.75308	1.96518	-4.04266	-4.6955	-1.98801	-0.86246	-4.66928	4.47E-02
-2.76935	1.63669	-2.7886	-2.74829	0.129883	-3.08115	-0.95398	1.77417	-2.1683	-0.63138
-1.43524	-0.26285	-0.4372	0.690399	-0.1532	0.461914	1.85818	-2.86118	-0.26572	1.75729
-0.6965	-0.24069	-0.86121	0.919342	-0.75308	-3.1759	0.379272	2.43402	-0.14706	3.07416
-1.69669	-0.53638	-2.18903	0.210938	-1.69675	-2.12756	-0.15149	-0.81644	0.451019	3.01611
-2.26578	-1.74963	0.194458	1.48627	-1.06635	-1.08435	-0.22617	-1.36624	1.16403	1.2662
-1.35547	-2.87546	-0.64172	1.07578	0.735596	-2.37524	-0.77271	-1.4454	0.254425	0.333679
-2.08817	-1.11374	-1.73602	1.84384	-0.11093	1.59778	-1.07541	-0.95956	-1.00519	-2.31635
-1.83487	-0.45706	-0.15002	-0.78751	-2.3815	1.83142	-2.30157	-1.49423	-0.86264	-0.82483
-0.62918	-1.51E-02	1.66238	2.34073	-3.86853	-0.15347	-1.73883	-2.26855	2.86069	-2.90619
-1.85052	-0.84085	1.78287	3.46841	2.06564	0.204895	-3.20944	-1.60336	3.27829	-2.56561
-0.54639	-4.63019	1.16602	0.611298	-1.46902	-0.30469	1.95541	3.05588	2.13928	-0.71405
0.610107	2.59476	-1.97787	2.69687	0.446136	-0.24539	-3.87878	1.57544	3.79352	2.91473
2.05264	4.50058	-1.6051	0.398285	-3.21503	-1.98105	-3.09467	4.42267	-2.9816	-1.24197
0.595734	0.144775	-0.18878	-1.1062	2.15411	-3.53958	-2.22101	1.52863	2.45691	3.8779
-2.5192	-1.04031	-0.453	0.246246	-0.28287	-1.40561	-0.83563	-0.41357	3.44202	2.04517
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-2.59848	-0.59152	-0.18814	0.866486	-1.74966	-0.51715	-1.84418	-1.05E-02	-9.87E-02	0.193298
-2.41525	0.655945	-0.27612	-1.45804	-3.70309	-1.21634	0.283783	-0.10788	7.50E-02	-9.00E-02
-1.94955	-2.49216	-2.81931	-0.79425	-3.73514	-1.28851	9.27E-02	-1.39E-02	1.8475	0.481232
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-2.40018	0.71759	0.607788	-0.96246	-1.51755	0.135834	-2.21072	1.38324	-1.18094	0.711823
-1.56772	-0.58356	-4.43906	2.55E-02	-5.54526	3.34351	1.82977	-1.78256	1.05621	-0.22791
-3.96448	-8.53E-02	-3.42178	2.51328	-3.92163	2.63773	-2.13986	0.19397	1.74567	-3.20273
-0.14569	-0.23773	1.87674	0.584473	-5.53256	1.18521	-5.37909	2.01505	4.85303	-1.27197
-1.11865	2.02728	-0.39841	1.88589	3.34036	1.90875	-4.19339	-0.23642	4.81952	-4.45E-02
-2.08255	2.87186	-0.71909	-0.55103	1.53311	-1.27597	-0.36121	-0.65668	2.38861	-5.02051
0.220184	1.1767	-0.58719	-1.69833	-1.15286	0.751617	1.41467	-9.04E-02	-0.24246	0.608948
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-1.19376	0.110657	-1.40829	0.132874	-2.01028	1.58942	1.93E-02	-0.43637	3.50E-02	-1.9852
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5.78E-02	-0.96356	-0.60031	-0.96124	1.3371	1.22675	-2.03241	-0.2095	0.71994	-0.14642
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0.447113	-1.49612	-1.2485	0.695557	-3.70233	-0.29196	-0.85812	-0.12027	-2.40024	-1.51849
1.62769	1.59357	-0.45874	1.77322	-1.67856	0.765503	-1.61313	2.56287	-0.8038	3.44492
5.4024	3.85834	5.10E-02	-0.8746	0.169281	-1.14749	-2.24347	0.236267	3.02457	0.573669
2.63202	-3.22263	3.95462	-0.82932	-3.88257	1.87802	-5.53119	-2.76086	-3.47379	-0.94656
4.66403	0.413391	2.65631	-2.19421	3.76675	1.20236	-1.39636	-5.65063	-8.1405	1.49033
2.44363	1.06717	3.12531	1.45218	-1.85541	-1.20328	-0.57721	-2.51178	-3.51862	0.499084
1.3876	0.575989	0.898407	-0.81284	1.27472	0.149017	-0.35992	-1.26016	-1.22147	3.01047
1.02631	-1.29218	-1.12894	-0.38696	-1.87503	1.46353	-9.26E-02	-0.21613	-0.97519	1.72162
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0.236633	1.30496	-2.7731	-1.38293	-1.21719	0.360168	0.621796	-0.90338	-0.55737	-2.5867
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0.120422	1.46902	0.195892	-1.79413	1.02557	0.460327	2.03522	0.181946	-9.04E-02	-1.30472
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1.97592	0.896423	1.08307	-0.56647	-1.83133	-0.29376	-0.50519	1.14908	0.534912	1.25732
1.02292	1.98706	9.28E-02	-1.67761	-1.21295	-2.03098	-3.29E-02	5.55E-03	-1.42224	-0.34821
1.20825	1.66824	-0.51483	-3.15692	-2.65302	-3.35733	-0.8559	1.41071	-1.95535	0.702087
0.438232	0.65564	1.87E-02	-2.54807	-0.81253	-3.68851	0.722687	-0.22467	-0.1633	1.60236
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1.28003	-2.42508	3.62323	-6.16882	-2.88873	-1.13449	3.14734	-0.32874	1.92908	0.740356
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1.80441	-1.55255	-0.60242	-0.7077	1.5759	1.22394	2.19781	0.469055	-0.95096	-0.95502
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0.878632	3.18643	0.486542	0.924194	5.96378	2.03351	-1.02496	-2.13684	3.17227	-0.14224
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0.98764	-0.97253	-3.01172	-4.48907	-0.22513	-1.54892	-1.44461	-1.52939	-0.1879	-3.85864
1.4635	-2.01376	-1.82932	-1.78162	-1.70251	-1.59998	-1.68149	-2.29175	-1.51434	-3.82153
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1.16721	3.95016	-0.12427	0.995972	3.51541	-2.23108	1.5304	-1.82516	-2.06897	-1.05325
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2.11E-02	-0.46124	-0.43863	0.345947	1.44568	-0.68192	-2.0719	-1.69678	1.6394	-0.89816
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-0.43057	-0.62518	-0.76938	-2.61572	-7.10233	-3.71518	0.772614	4.76007	-5.79422	-1.39664
1.37381	0.310272	0.79892	-0.69434	3.01752	1.55331	1.021	6.42856	-0.90286	0.692627
2.01373	-1.1275	0.852417	1.97519	2.05865	1.95404	2.78412	4.25586	-7.3569	0.471222
1.52734	-0.11343	-2.44019	1.33408	-1.1593	3.51633	-0.32623	2.12512	-4.203	1.91E-02
1.0943	2.09619	-1.36691	3.69464	-1.84738	0.158691	-0.46341	-0.88867	-2.22726	2.96387
-2.2804	0.574005	-1.24713	-2.43527	-0.23755	1.93533	0.39859	-1.13623	-0.15057	1.55762
-1.39108	0.401855	-1.71277	1.11307	0.137054	2.06644	0.301025	0.46936	-2.30136	0.106812
-0.30875	2.14975	0.172791	-1.01202	-0.1373	0.46405	-0.38602	-1.48538	1.64594	4.46E-02
-3.49E-02	0.550446	1.73218	-3.96628	-1.56354	-0.26752	-2.91611	-1.10727	-1.54147	1.76373
-2.84909	-0.53238	2.07938	3.34967	-3.09921	1.58514	1.54922	1.91675	-2.37155	-8.30E-02
-0.77451	1.09088	-1.46411	3.28033	-0.22736	0.628418	0.968689	-0.73477	0.708374	0.392609
-3.88721	0.605743	-0.41275	0.282806	-0.69177	-2.30469	1.75595	-2.13654	3.60602	1.32581
-6.77E-03	3.17194	-3.91797	3.02808	4.78336	-0.60239	1.80801	-1.86475	-0.25192	-2.34323
-2.72128	0.550659	0.102722	0.913086	2.09674	-1.76309	2.20831	1.43283	-2.89386	1.02853
-0.67987	1.81689	-3.45E-02	1.46439	-0.28662	-4.95706	4.65134	-0.26782	0.519104	0.822723
-2.40396	8.38E-02	2.2944	0.93808	-1.4216	-5.35E-02	2.49377	-2.2193	-3.17679	-1.23392
-5.62E-03	-1.36819	-0.19659	0.686554	3.81024	1.6991	2.85007	-0.73886	-0.89499	-1.13013
1.5665	-0.76978	-1.65253	0.674713	1.10306	-0.84976	1.14749	0.884064	-0.79047	1.46323
1.97812	-1.04904	-1.33585	-0.90781	0.648926	-0.14298	2.08722	-0.18787	0.464844	0.632904
1.82596	-1.57227	-2.34143	-0.59744	-1.67221	8.94E-02	2.84119	0.250793	0.541931	0.455292
0.202637	-1.91135	0.703369	0.471527	-1.63083	-1.18921	2.48358	1.32843	-1.95428	-0.60635
-1.29868	-1.07718	-0.11432	1.28149	-0.42362	-0.35855	-1.31989	-0.33603	-1.51056	0.465576
1.04852	3.77E-02	0.438202	1.62695	-4.77936	-0.11588	-1.08643	-1.21188	-1.36823	-2.39627
1.16629	4.20737	-5.04E-03	-3.17648	-1.04837	1.75949	-1.98804	-2.72675	-5.09158	-3.4657
1.10873	3.09674	-1.16397	1.09729	2.94208	0.403931	2.06E-02	-2.69302	-3.06613	-3.21603
0.9245	-0.64291	-0.12598	-2.30484	6.70651	-3.3201	2.06619	-3.75226	1.23361	1.72543
0.978241	0.180389	-0.86859	1.8277	0.116058	-0.76996	0.50531	5.03E-02	-1.3436	-0.23877

8.77E-02	3.20346	0.797302	0.1185	0.819794	-0.33588	-0.66403	-1.0325	-1.24469	-0.45313
-0.1395	0.4953	-0.10611	3.76114	1.63733	-0.50461	0.827576	2.35852	-0.34918	-0.42075
-0.1015	0.367523	1.71667	1.50394	-0.21433	-0.50006	-1.15259	4.85E-02	-2.48318	-0.88889
-3.00E-02	0.223572	-0.71304	1.45917	0.352051	1.23312	-0.36606	2.57034	-1.75E-02	-1.59961
2.41565	0.469238	-0.61481	-1.19724	0.297791	-0.38104	-2.63742	-2.26581	-2.36847	-1.22302
0.366638	-1.14014	0.998474	-0.12778	-0.37094	-1.26282	-0.427	-0.53748	-2.32779	-3.48364
0.103729	-0.30866	0.464172	1.83377	3.0575	-0.17465	0.666016	-6.45E-02	0.128754	-1.59772
0.118103	-0.20572	1.93771	-0.77976	1.90335	2.37494	-0.22092	0.501038	-0.27911	-0.73068
1.59808	-8.05E-02	2.54437	-0.383	-1.20236	-0.55081	1.69955	-1.31186	-0.758	-1.53589
1.96222	0.435638	4.59384	-1.9624	0.739258	0.248016	-2.37976	0.792267	-0.26514	-3.18704
4.40039	5.15E-02	-4.11508	-6.45E-02	-4.17847	-0.2121	2.42261	-1.30127	-0.40048	1.06613
0.547729	-0.49033	-0.30551	-2.29651	2.25928	-0.54166	1.03864	0.434357	1.0267	2.5545
1.09555	0.955658	3.40E-02	-3.54532	0.135712	2.30063	1.64429	-3.90939	-1.52332	2.51468
-0.81751	1.33301	0.339905	2.95435	-1.09268	5.41E-02	1.16568	0.451935	2.34451	-0.91724
-1.6637	0.987915	-0.31375	1.09842	-1.29254	-2.30127	0.112793	-1.13702	4.98334	9.02E-02
0.819031	-0.39905	-0.28146	-1.78983	0.768829	-3.35876	1.39633	2.48605	-0.42856	9.12E-02
0.145538	-1.64526	0.861176	2.62668	0.385681	0.698059	1.26648	1.22601	0.920929	2.11517
-0.14478	0.374451	0.193878	1.94623	1.07709	0.647675	0.18338	-0.31738	1.66913	1.55493
-1.18518	-0.69968	-0.47623	0.981781	-1.51053	0.110748	-0.22949	-1.47803	2.72046	3.70468
1.7515	-3.87051	-2.17319	8.87E-02	-8.76E-02	-0.41467	-3.41681	3.94E-03	2.77057	1.46783
5.48669	-4.52014	-3.57816	-1.25089	-1.74448	-0.48019	-2.61752	-1.89536	4.67819	1.7883
4.37012	-2.32059	-3.65207	2.00339	-0.70255	2.91562	-4.28967	0.419067	-0.25882	0.867645
1.26221	3.18427	-0.14716	-4.36713	0.859741	2.6517	-3.29459	3.35873	-1.67087	1.05084
1.89624	-2.01E-03	-1.8092	3.42709	3.57666	0.86615	-3.63788	2.21716	4.14322	2.08743
-1.04645	-0.63025	-2.40158	0.156586	1.758	1.03473	-1.7196	1.41772	4.51941	-1.0069
0.49469	0.152985	-1.86401	-0.33194	-2.93817	-0.16	1.30566	-0.35498	0.168121	1.48395
0.7034	-0.28708	-0.22073	0.480835	-1.63593	1.60275	1.24271	-0.79294	4.43E-03	1.19443
0.961243	-0.48514	-0.48047	0.838593	-3.52615	1.77423	2.22684	-1.16974	1.25476	1.84842
-7.63E-02	-1.61536	0.733795	2.96655	1.77118	-1.76584	1.77438	-1.74118	1.08905	1.21887
0.568451	0.154053	-0.25162	2.08603	-2.98184	1.13559	-0.79791	-0.72257	-0.28879	0.781036
-0.62909	-0.89548	-2.03793	1.1456	0.201294	1.07065	0.949707	-3.69266	3.95914	-0.97052
-1.34589	-0.75302	-1.65549	0.617737	2.18976	-0.70517	1.09308	0.496124	3.07397	6.87E-02
0.454285	-0.30533	-1.43463	2.2579	1.07834	2.18842	0.775269	2.92154	-1.02219	-0.87619
2.50671	2.87564	-3.30865	4.96817	3.04858	2.72003	9.52E-03	-0.34534	3.52438	-4.89694
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4.40E-02	-0.67053	9.70E-03	-1.08862	-0.2724	0.700928	0.91449	-0.25009	-1.06232	-2.3226
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0.258606	0.536804	1.26868	-1.39737	-0.69983	-0.44406	-1.8493	0.50058	-3.35239	-0.88388
0.574738	0.711578	0.585938	-1.08191	2.63785	-1.48206	0.472626	0.460236	0.523132	2.72092
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-0.95908	1.85767	1.35098	3.53165	-1.46591	0.524963	-9.12E-03	0.630524	-2.11719	2.01373
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-0.13898	1.35757	0.707306	-1.95145	1.57895	-2.02176	0.552765	3.11444	-0.93082	-9.59E-02
2.06549	3.49805	0.61377	1.85281	4.11075	-1.27969	0.714569	-1.88165	-4.13818	0.634705
1.18292	-0.13757	2.75052	0.174683	-2.28674	0.818634	-1.15588	-2.04724	-0.57324	3.04465
0.518616	2.43207	-1.25146	-1.55673	-1.06229	0.576019	2.4946	-2.27597	2.28452	-7.99445

0.915131	0.5401	-3.7666	2.2511	-2.34235	1.15305	0.970123	-2.14993	4.42752	-4.36E-02
0.29306	-2.18704	0.430603	1.73279	-0.4993	0.203308	-0.26163	-1.5246	2.83148	2.59E-03
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-0.5885	0.120117	1.34216	-0.27237	1.61496	1.02734	0.385284	1.19199	-2.74628	-2.22189
-1.55566	-0.83963	0.913055	1.39838	1.34164	6.07E-02	-1.36328	-1.88016	-3.51205	-1.58069
-2.89294	-0.57767	1.78607	-1.63693	-0.53442	-0.60623	1.88739	0.363495	3.74005	-2.56363
0.288147	0.656647	1.31299	-1.96756	2.26407	0.712891	1.59689	-1.05887	2.0881	-1.86996
1.03522	0.743622	-0.12763	1.34967	-2.4425	-0.76166	0.328217	-0.16223	-0.98706	-0.89945
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-5.19049	2.44373	-3.63748	-2.25403	-1.83542	0.288727	2.30774	-2.65094	-4.94153	-3.80283
-8.26349	-4.28091	-6.20096	1.20538	2.15683	1.89871	-4.00638	0.70694	2.37772	1.90973
-6.94217	2.39999	-0.3606	1.61771	2.02988	0.392548	-3.88837	0.890778	-1.08569	0.915619
-3.01447	1.76825	-1.10E-03	2.2995	-0.20731	-0.20557	-1.48941	-0.61969	1.7478	-2.2215
-0.26752	0.817688	0.491089	1.33185	1.31732	3.62961	-0.41681	0.667633	1.70721	1.86475
0.363403	2.1481	-1.11874	0.884338	0.888672	2.63235	-1.71811	-1.60364	1.11682	1.54062
-1.57907	0.569275	0.24704	-0.55081	0.453339	1.61755	-2.00247	3.41E-02	-2.04877	0.990417
7.94E-02	1.53415	0.862793	0.267151	2.336	3.00296	0.418793	1.13211	1.26083	0.691193
0.625946	2.06635	0.664093	1.97223	0.868286	2.06277	0.342285	1.19193	0.570129	-0.71295
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3.12411	0.236664	-0.2099	9.88E-02	2.04196	1.00262	0.546265	2.11972	-1.11554	1.95691
2.46658	-6.85E-02	-1.83255	1.6575	1.79092	2.71121	-2.41302	0.164948	-0.56329	4.14261
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2.94916	0.64566	1.64731	1.5069	4.56619	0.338318	-1.78452	0.815704	-1.16541	0.2742
-0.66251	-0.6514	0.863983	0.438843	0.929138	-0.19049	-0.22772	0.495819	-0.69669	0.616943
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1.76233	1.50235	1.03064	3.05817	1.30573	2.42694	0.727539	0.12146	2.82196	-2.54581
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2.01373	-0.43216	-0.28671	0.793335	1.10889	-0.58032	3.87E-02	2.12863	-2.02667	3.29465
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0.668121	-1.44373	1.47971	0.272949	3.03714	3.89352	1.18997	2.88513	2.22998	-1.77097
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0.652496	-1.43274	0.73764	-0.34583	1.66254	-1.87698	-1.9859	1.41144	0.274414	1.73013
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2.00711	-0.44699	0.674164	-2.39276	1.29398	1.10464	0.572906	0.620178	2.41693	0.679413
0.540527	1.49847	-0.38586	-0.54883	-1.09476	1.58093	-0.65826	0.763947	2.59464	1.2515
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0.347748	-0.33066	-0.65723	-3.45038	-1.27551	1.58E-02	2.4382	1.96362	-1.49667	3.21616
1.841	-0.65488	5.19E-03	-2.64853	1.80499	1.07895	-0.33456	3.92795	-0.30206	2.52246
3.09842	0.554565	-2.76239	-0.84876	-0.49255	-1.14407	1.22137	0.65683	-1.63202	1.42111
2.39468	-4.59073	-1.80115	0.845001	-0.59528	1.2822	2.79007	0.102966	2.78232	2.6553
5.80643	-3.86667	0.215546	1.314	-0.48444	-0.18317	-8.79E-03	2.09006	4.13885	5.18506

2.87631	0.624481	-1.41846	1.27478	-4.60577	-1.52478	4.3959	2.34354	4.83063	1.79294
1.10535	-0.44461	3.43961	-1.0809	-4.83173	-0.41205	0.779724	-4.58902	2.5336	1.08411
2.39975	0.700073	1.72482	-2.97702	-3.70081	-1.23447	0.817993	-1.2034	4.9863	2.24377
1.49069	-0.4516	1.1651	-2.31104	-0.24847	-5.56E-02	0.94519	-1.79526	3.38681	3.63055
0.748413	0.940002	0.219452	-1.15097	0.317352	-0.49396	0.846313	1.78067	4.76501	4.32422
0.421936	1.12006	0.160156	-0.14414	-1.31796	-2.22498	-0.83267	-7.57E-02	2.14514	0.143494
-0.71664	-0.49515	0.609772	-0.77432	1.22031	-0.31946	-0.55991	7.02E-04	1.56085	2.01819
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1.2131	1.76584	-0.15753	-0.23853	0.942596	0.255432	1.89212	2.45834	2.03775	4.58838
2.97882	3.67627	2.24741	-0.83377	1.21194	0.108215	-1.78162	0.149017	0.200867	0.698517
1.17889	-4.68445	-0.88095	1.23282	2.01273	-2.23959	-0.26184	-1.92874	-2.94299	0.859802
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1.233	4.09717	1.40384	-2.63733	1.64471	-0.2327	-3.42438	0.177032	-2.43808	1.04733
0.990631	1.14029	0.712891	-3.67941	-0.87372	1.40854	-1.90677	2.91776	-1.41138	-1.59888
2.48996	1.44827	-1.67047	-2.9389	0.195312	-2.58047	-1.23593	1.69571	-0.6507	0.181488
0.957001	0.106415	0.283997	-0.66574	2.22974	-0.37091	-0.78821	0.416046	-2.73956	0.38385
-0.49088	-0.20548	-1.12454	0.625519	1.55826	3.19363	-0.1301	1.43787	-3.14737	5.02951
0.40274	-3.74E-02	1.31274	-0.36533	3.27365	1.00732	0.827728	0.799744	-3.27567	0.538116
0.400146	-0.68674	-8.65E-02	-0.49124	2.83798	1.17694	0.609497	3.47031	0.283752	0.222198
1.91772	1.94174	3.66919	1.36725	2.27368	-0.71771	2.5347	3.66992	1.56451	-1.74115
0.652924	-0.64557	-1.23553	2.13968	1.3956	-0.98355	6.51E-02	1.62915	-1.17374	1.57358
-7.67E-02	-2.79852	-1.40591	0.872955	0.121368	1.55664	0.64978	0.592133	3.91E-02	1.32913
0.527893	0.797546	1.38257	0.718201	1.71414	0.372589	-0.58603	2.24344	-1.83389	-2.34509
2.02771	-0.57748	-1.46918	-1.52402	-4.73184	-0.25787	2.89633	0.962677	0.203064	-9.27E-02
5.04559	-0.43204	2.36362	2.94476	2.44324	1.3121	-1.98E-02	0.610046	-5.88E-02	2.17474
2.91174	-3.21191	2.0304	-1.39969	3.32556	0.608551	3.47433	1.47876	-1.1702	2.00693
2.58466	0.880951	-0.16919	2.09119	-1.14E-02	-0.72989	1.45239	-1.03629	1.91E-02	-1.7525
0.322601	-0.1088	1.01669	1.74554	0.18042	-0.46118	0.968872	-7.66E-02	-1.97937	1.01065
0.316101	-1.57709	1.21848	2.53711	-1.68512	-0.83865	0.59671	0.817291	-0.93588	1.98871
1.99582	-0.61075	0.882843	-1.89673	1.32245	1.03244	1.07062	-0.80335	-0.51355	-4.94E-02
1.08115	-0.66174	1.3718	2.58795	0.577606	-0.74854	1.72018	0.516418	-2.12756	-1.15503
1.87454	0.43866	0.353668	1.24564	1.29596	-1.92471	1.04178	-0.48898	-0.8266	1.59665
0.644501	0.659821	-9.00E-02	0.859772	0.157898	-1.20047	1.55133	-0.42764	-3.27E-02	-2.08282
2.80042	0.942871	-1.84232	-4.37677	1.79834	0.164642	1.91919	-3.79147	6.47E-03	0.897217
-2.05051	1.03726	2.20007	-1.36728	4.07553	4.23331	0.300964	-3.17746	5.36472	-0.47781
3.59912	1.31644	4.19034	-2.26172	6.88885	-0.85037	-0.89517	1.64896	-0.26184	3.49237
7.03201	4.01398	-0.31186	-1.83432	3.23294	-1.84198	7.85E-02	-0.42435	2.72241	-0.37775
3.98343	4.28067	1.8862	0.235291	1.61346	-3.36343	1.82492	0.781372	-3.3873	1.49271
2.26105	-0.28864	-3.02969	1.40039	-0.9162	1.27643	6.80E-02	-1.7486	-0.32901	1.2016
1.45309	1.6434	0.662109	2.01074	-0.21906	-0.44251	-0.59262	0.532837	-0.12137	4.39246
1.4227	1.89261	-0.60834	1.32913	2.15967	-2.23767	0.492096	-9.01E-02	-3.23727	0.227325
0.744019	-0.45905	0.481659	0.583893	-1.71417	-1.21756	1.37082	-0.20984	0.879456	1.74701
2.53625	-0.64575	0.946289	-1.70822	0.581085	-3.00854	0.656403	0.401215	1.06714	-0.67871
1.96805	0.44696	1.60739	5.05E-02	0.193085	2.94788	2.83768	-0.81607	-0.21738	1.53864
0.808929	-0.83408	1.85828	1.04279	-0.75772	5.77E-02	0.788727	0.301758	0.92865	-1.76123
0.190094	-0.79602	-1.19879	-0.38025	2.92566	0.981537	0.289764	0.660034	-1.19394	0.911133
3.04739	-1.52023	-0.71664	-4.9071	4.83255	3.48169	-1.12524	-1.23795	-0.47879	1.4567

-3.0351	2.85953	-0.23956	-1.21481	2.26218	4.04153	3.81982	-2.81824	0.747772	3.04007
5.34052	5.03677	-2.82996	-1.71951	-0.57016	4.24762	2.3327	4.07385	4.69452	3.36395
-0.67517	1.31848	3.44049	-1.61111	0.855774	-2.44183	0.82312	2.71896	2.71832	-8.46E-02
2.04306	-2.42114	0.39801	-0.60562	-3.27E-02	0.482513	0.27597	-1.91098	3.7067	2.492
0.636292	-0.892	-1.6149	0.345642	-1.47046	1.3985	-0.91061	0.406433	2.24832	-1.03934
1.1716	-2.06818	0.244263	-0.70068	0.17276	-0.37125	0.347412	8.43E-02	5.03021	-0.67838
1.57712	2.94055	-0.99005	0.494171	0.905853	-0.72937	0.87854	0.44455	2.31366	-0.96759
1.61124	0.330658	1.28198	1.55347	0.470001	-3.33954	8.65E-02	1.95401	1.06934	9.88E-02
-0.19736	1.53024	0.841187	1.71814	0.169678	-0.16022	-0.44251	1.62152	-0.67407	2.84045
2.20441	1.78E-02	-4.14633	2.30737	-0.14533	1.19864	6.88E-02	2.06967	4.45224	-0.57825
1.83652	2.74908	5.69E-02	1.19885	2.02655	1.73013	-0.76001	3.94214	-0.57254	3.07623
-1.26453	2.18555	-0.23856	4.48172	0.63324	-0.92841	1.88226	3.19894	5.12399	1.30969
4.43E-02	3.92694	1.83002	0.972687	4.82617	-1.05417	1.77673	4.68317	-0.46594	1.08456
1.71872	0.13446	2.07263	2.51099	-2.22098	0.480225	-2.27829	6.14694	1.50162	1.78625
-0.16687	-0.62091	-1.6098	-1.46399	-1.63342	1.19077	0.438232	5.72406	2.2468	9.21E-02
0.670654	-1.77304	-0.67697	-1.18222	1.48331	2.49042	-0.75443	2.24292	-4.6156	0.518677
-1.58331	1.89029	6.70E-02	-3.52295	1.98932	0.358704	-0.92722	0.859741	7.74E-02	4.34436
0.952026	1.27762	-0.46765	0.378418	1.59708	3.37805	0.882812	-0.12201	-1.48898	0.421509
2.47684	1.99136	2.71463	-1.43134	2.07584	0.147247	-1.68326	-0.45487	1.74945	3.8754
-4.13E-02	1.96375	-0.79813	-1.04343	1.38098	0.705658	-3.29E-02	0.406616	1.33435	-0.7059
-0.20956	3.90656	1.82187	0.396423	3.80566	-0.53284	1.78989	1.03522	2.87943	0.604248
0.415314	-1.51578	-1.81323	1.7847	1.20609	-1.06146	1.08401	0.222656	0.303955	-0.37613
-1.18268	-4.21521	0.963684	-1.41516	-1.42065	-3.46738	0.626373	-0.43738	5.08456	-3.86978
1.0546	-2.80194	-1.92773	-0.1839	0.110626	0.136108	-0.23544	0.933167	-3.88901	-5.33301
-4.36127	-7.07727	1.81192	-2.88522	-0.71323	0.465027	1.25793	0.549866	2.50198	0.558868
-1.7197	4.20456	-2.74628	-3.67181	6.57343	-0.23718	3.16861	0.371338	-2.61008	-5.75616
0.125946	-2.19131	-1.2005	-4.6843	2.78708	2.37704	-2.56879	-1.06723	5.83E-02	2.56223
0.519562	0.145752	-0.13397	-2.13382	1.11899	0.20163	-1.81003	1.06522	3.27798	2.79678
1.66321	2.57791	0.348999	-1.86E-03	1.13574	-1.72128	-0.62882	2.64133	0.518433	2.48254
-0.18179	-0.4451	1.19305	1.44394	0.537262	-2.12866	-1.4942	0.52478	1.29233	-0.44797
1.33875	1.82397	-1.28476	1.12689	3.78723	-0.41046	-0.14716	0.837433	-0.77545	0.91922
-0.33716	1.57645	-1.24072	-0.22473	-0.2464	2.22244	0.19458	1.23129	0.177246	0.747375
2.35904	2.62036	1.11957	-2.28516	0.478577	-1.80722	1.2099	0.996521	1.02621	2.96844
1.94983	0.874725	0.189972	-0.69821	3.96869	-2.05167	0.378937	-5.02454	-1.83804	4.75528
-2.66599	6.30048	-0.67639	-0.90945	3.01535	2.20532	-0.16141	0.151245	2.34308	-6.32687
0.552094	5.88394	-1.69354	-0.96491	1.63855	1.9682	1.13538	0.627563	-1.44128	2.29971
2.67981	-0.25647	1.53442	2.78137	6.06616	1.36591	5.04892	-3.18594	-4.03152	0.403351
2.04379	5.73288	2.10013	2.92267	4.41953	4.10681	0.233002	-4.88135	-3.55518	1.55264
5.65115	1.46088	5.42529	-0.73959	1.84647	0.352264	-8.70E-02	-2.67053	1.26132	-0.57748
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0.189392	-3.12E-02	1.29568	1.93405	0.310638	1.32822	-0.11612	-6.59E-02	1.11343	1.48877
0.236298	0.96582	2.02356	4.32E-02	0.234863	2.28934	0.502686	4.21948	1.67413	-0.56937
0.884216	0.47467	2.02924	0.931671	0.841553	1.16165	1.18353	1.32816	1.90063	0.489899
0.328247	0.916443	2.20117	-0.40143	3.4021	-0.12695	0.881195	1.6698	0.516235	-1.08493
0.474548	-0.82294	0.996796	1.01294	1.50876	1.70099	5.77E-02	0.774231	-0.58859	1.40933
-0.45718	0.580231	0.96109	0.449188	0.181671	2.69043	-0.99338	-0.23724	-3.21536	3.30368
4.08652	0.479889	4.4006	-0.22257	1.54596	3.47702	-0.16861	1.23615	0.105377	0.530212

-0.44321	-0.46924	1.11185	-3.36591	0.360535	-3.86841	2.58096	1.22617	-1.5022	1.35669
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-0.78891	-1.72244	-1.37378	-1.01624	4.08932	0.802612	2.61871	7.44434	-3.74799	1.23566
0.31424	1.66028	0.697815	3.12341	0.139862	0.924652	1.20001	5.57648	-3.79379	1.37552
-1.89435	-6.44E-03	-0.42697	2.46017	1.43781	1.40582	-4.37E-02	1.65182	-0.7338	3.71069
0.690704	0.536407	1.2001	0.473755	1.93942	0.674316	0.402679	2.52243	0.768433	-1.05975
0.299805	-1.67358	1.63336	1.07983	0.193451	1.67853	-0.25769	-0.39233	-0.94269	-1.23718
0.803345	-0.98193	0.825745	-0.11893	2.63373	-0.41766	0.439545	2.02774	0.452942	2.85031
1.60083	1.38644	0.932983	3.27228	0.899597	0.334167	-1.44742	2.77542	2.66843	3.99738
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9.61E-02	-0.48868	-0.23901	2.30908	0.60968	0.528534	0.756409	0.427063	1.21106	0.218658
3.37311	0.46347	0.835785	4.63885	1.10806	-1.25607	3.17657	1.98795	2.15607	-0.32507
0.230286	-4.44254	0.624847	4.0618	-2.08456	-1.1817	2.44125	0.940155	1.58951	2.12109
2.18893	2.92462	-2.07718	1.33987	-2.82034	-1.32239	5.60544	1.83197	0.285675	2.71625
0.197998	0.749664	-2.95276	1.55026	3.52664	4.74982	4.69681	0.357452	-3.52307	1.86795
4.12006	2.853	1.46219	-1.44839	-1.80573	2.32755	1.08212	1.21008	2.0986	2.09641
1.13486	0.839966	-0.95548	0.324188	4.59E-02	-0.16849	0.68338	2.1452	0.88681	-0.86691
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4.67E-02	1.85126	1.42004	-1.69031	1.36603	1.31165	-1.17E-02	2.52246	1.02155	-2.2471
1.39624	1.21243	2.87857	-0.29663	1.88379	-0.27304	1.29E-02	1.32352	2.14865	-0.31662
4.32202	-5.58E-02	-0.45413	-0.17966	4.81256	0.230164	0.275787	0.320221	1.647	0.545349
0.83783	3.05743	3.71167	-0.10751	4.74438	-0.33997	8.81E-02	-0.76053	3.94806	0.345459
1.46381	-0.87103	-3.53E-02	1.36896	-0.34494	1.41684	0.697784	0.739044	2.37128	0.489716
0.753082	0.287354	0.937256	0.44101	2.96445	-0.13089	-0.39533	2.37476	3.2832	0.116791
-2.57037	4.18701	5.69174	-2.09061	4.36038	-0.44727	-5.61267	0.359467	1.99918	1.21805
6.7345	5.25E-02	1.93954	-2.95224	0.987122	-1.621	-5.41238	1.96103	-4.74728	-0.25067
3.02054	1.146	0.421112	3.29599	3.47916	-1.66464	-1.17816	2.42938	-1.84369	3.55902
0.532654	0.181671	0.507629	0.617798	2.91602	-0.94418	-2.11E-03	0.792603	-3.58E-02	1.70398
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2.25772	0.473907	1.96365	-0.87567	3.53845	0.868347	0.826385	2.74887	0.350708	2.24051
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-0.33444	5.25E-02	0.242188	-0.13254	1.29199	0.895752	-0.6174	0.110992	-0.37125	1.85779
0.253723	-0.22205	-0.45682	1.49954	1.04916	-1.89221	-0.42313	1.08902	-0.9133	0.490051
2.17313	0.872833	5.32E-02	0.304199	2.88928	0.137024	-0.14557	5.16107	1.59735	0.576965
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1.63919	3.02957	-0.75604	-2.06259	4.05554	-2.89151	2.74127	0.534363	4.6441	0.3302
3.97333	6.37161	-0.22928	-1.3811	-2.75784	-4.16589	4.66364	0.640778	-1.53882	-3.64E-02
3.21411	0.752075	0.329132	6.56E-02	-5.42447	-0.78479	1.66949	-2.50357	0.926636	1.37985
0.940948	1.82217	5.09369	-1.5257	-1.17075	0.786163	0.725311	-2.25623	0.675507	-1.2952
1.67175	2.94797	1.16391	-0.96661	-0.92069	-2.26587	1.57529	0.135223	-1.72562	-0.62991
-8.67E-02	3.117	1.38129	0.13504	-0.33908	6.37E-02	0.546478	-0.89377	-9.58E-03	2.31757
0.949799	-0.4213	1.17126	0.579437	1.63477	-0.94376	0.823395	1.51587	2.34912	2.50452
0.86673	-0.35785	-0.65906	1.59219	1.29514	1.93405	0.716034	2.09354	2.01224	0.220215
0.976349	0.207245	0.721588	2.19165	1.06268	0.428345	1.72928	0.394012	0.616547	-1.60202
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2.6423	1.03525	-6.07E-02	8.70E-03	2.5802	-1.57056	1.36212	2.67096	4.20706	0.458557

2.8963	-0.73264	-0.30621	1.38666	4.51944	0.637238	0.932983	0.401917	1.50787	1.85263
0.558685	1.85464	0.857056	-0.14771	6.35184	3.39832	-1.85114	4.14417	3.20901	1.92801
3.63071	3.19754	1.57144	0.789581	6.63818	3.08923	0.861725	-0.69534	1.30685	-2.32663
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1.08936	0.127777	-0.92548	-0.2944	1.2598	1.24E-02	0.264282	2.46381	2.7659	1.53558
1.90408	0.42749	-1.01E-03	-1.09824	1.01202	-0.28131	0.47348	1.39163	2.34424	-2.36475
3.12851	0.644104	0.594971	2.39401	3.38416	0.116638	-0.61472	1.70999	2.00131	4.54901
1.84824	0.674957	1.22086	0.250671	1.30283	0.137451	1.38293	0.747559	3.54694	3.50452
1.34775	0.477936	0.689087	1.60696	0.869598	0.328949	-0.2403	1.7207	3.45844	1.08939
4.83313	0.152069	0.303772	1.02805	2.10788	0.918274	-0.77081	2.53903	2.49472	-8.98E-02
1.73871	-0.71896	1.77469	3.40848	1.6077	-1.41986	2.58432	-0.70374	2.51495	1.80057
2.0607	-0.89941	3.77148	1.57605	0.925049	-1.97678	1.57797	-1.89377	0.619659	3.49313
-2.83371	1.73956	2.18085	-3.41589	-0.29605	3.34091	-1.13284	1.41785	0.716797	4.15E-02
0.566315	-0.84796	1.15683	-4.53821	-3.66934	-0.99628	0.848419	2.68317	-2.88293	3.77646
-2.4299	-1.13892	-1.74136	1.78796	-3.69876	0.522705	4.71222	-4.87076	0.539825	4.43774
0.849243	0.868774	-4.49451	1.74911	-6.69965	-0.89414	2.16223	-4.55743	4.3605	-5.98337
-1.06094	-0.21323	-1.9227	0.120392	1.08319	0.948212	0.947876	-1.05139	2.57321	0.195282
2.37769	0.496399	1.02829	0.520752	-1.09326	0.598602	0.28537	-0.67758	2.41162	-0.20364
0.806915	2.17892	1.87128	-0.42099	0.144379	0.450653	1.42029	0.866089	1.56824	1.52051
-1.40906	1.18887	-0.42474	2.20306	0.220551	0.841125	0.357544	1.28143	2.95883	2.93311
2.48373	-0.78665	1.18057	2.02426	2.13831	-0.30066	2.92578	3.55679	3.66705	1.62689
1.06235	0.976562	2.78137	-0.59647	-0.62842	-0.14932	2.57718	1.20892	1.80911	2.01154
0.276428	1.59634	4.06158	1.59967	3.56	-0.80008	2.15723	2.49326	0.464539	2.41055
1.06961	0.863861	-0.6998	1.32275	2.09515	2.03452	1.73129	2.36694	0.269958	3.64612
1.2244	2.08154	2.24307	4.81052	3.78604	1.00369	2.38055	0.769836	2.54E-02	2.0567
0.739807	-3.68936	-0.96936	0.548981	3.17157	3.25583	3.31824	3.83716	7.50085	0.553253
-3.7326	2.08917	2.55173	-0.38492	2.74442	1.99942	-0.24048	3.20905	1.99182	-0.13995
-2.72925	0.838684	5.3046	-1.36221	3.62256	-0.19525	-3.28076	-1.97974	2.22751	1.17502
-0.15875	0.412476	-0.73877	2.07108	4.11221	-1.75726	-0.93521	-0.5849	0.843597	1.535
0.12558	1.21341	1.83179	-3.18774	-0.16956	1.86749	1.31067	-0.65906	7.34961	1.89865
1.6918	1.02081	0.220551	-0.34668	5.73315	-2.21057	-1.263	1.06558	2.70093	3.05173
1.95563	1.24106	1.95343	0.344391	4.14014	0.727051	1.09714	1.05426	-6.22E-02	6.55E-02
2.24805	-0.29294	-0.44132	-0.12915	4.84259	0.926453	-4.33E-02	1.49652	1.19424	2.30078
0.424835	1.20404	-0.92792	0.216827	1.71866	4.78857	-0.4642	1.40152	2.88E-02	-1.39835
-0.29678	1.38873	1.51849	-1.01813	2.59799	0.983734	-0.29868	1.86847	-1.42474	1.73227
1.36502	2.20328	-1.65079	3.23566	1.65067	2.61334	0.243164	0.63974	-0.11343	1.61023
1.26178	4.11465	1.07547	5.2475	1.66565	1.5849	4.22836	1.77686	4.0444	0.273712
-0.88519	3.06354	3.33594	5.01108	-1.08853	0.510925	3.48462	1.47968	5.88647	-1.80365
1.40091	3.60736	4.53604	-0.51663	3.22513	0.773224	4.00931	1.55975	3.44504	0.122528
4.46E-02	1.60468	1.10449	-2.04761	0.995575	-3.26E-02	2.22241	-2.37924	2.7984	-0.84998
-0.93015	-4.26E-02	0.65213	0.269196	2.95419	1.56772	2.35577	-2.09E-02	2.23718	-0.69412
-2.11E-03	-0.57431	0.656799	1.65454	3.43094	0.859711	2.24637	1.04874	0.178131	-1.07675
-0.49759	1.11441	-3.05E-03	0.212219	1.80145	0.823639	2.5733	-1.37372	-1.47049	-1.93298
0.305328	8.36E-03	4.09814	0.698486	0.769348	1.78085	1.07562	-0.11395	-1.45944	-2.03351
-3.31E-02	-0.46805	0.57608	3.29425	2.86438	1.98495	1.08868	0.97821	2.70703	-0.3309
1.29022	-1.21423	-1.77051	0.327942	0.540558	0.828979	1.64209	1.29053	0.215607	2.29095

1.28931	2.36874	-2.53461	0.396393	1.96768	1.84055	-0.79697	0.398743	-0.98486	-1.34E-02
1.23932	0.965271	-0.46051	-1.93585	3.65585	1.22604	1.83939	0.902039	1.26007	2.87772
2.52408	2.24216	0.389557	0.557098	-1.64166	-1.03281	1.64447	-1.49484	4.49579	0.406708
-2.33057	4.96E-02	3.68622	3.68488	6.70667	-0.45068	-2.45456	-4.48364	2.20456	4.01978
-3.91748	-3.16742	3.75293	1.89737	2.79553	2.8223	5.21042	-0.24707	3.36862	3.23874
0.261536	-1.91571	0.56781	2.58511	1.54398	0.403442	3.59283	4.51746	5.9296	-2.45599
0.688934	-0.13553	-8.37E-02	6.31E-02	0.817688	0.60611	2.03168	4.68652	6.48248	4.62848
4.03439	2.0162	1.3623	1.84576	2.80524	1.91431	0.639069	0.244232	0.589417	2.02435
1.28531	-1.03748	-0.27945	0.226715	-0.34143	1.09045	-0.35199	-0.91293	1.97504	-1.19058
-4.95E-02	0.611572	0.781036	1.00967	1.17E-02	3.37405	-0.43546	0.974731	2.81055	0.450806
2.00275	1.97705	1.14548	1.92877	0.700684	1.97604	0.236206	-1.47519	1.57535	2.09277
0.672821	-0.68814	2.66257	0.723724	3.22498	2.13287	1.51257	2.86682	-0.82727	2.66794
-0.40237	0.399628	1.10727	-0.56192	4.88159	1.25705	-0.91229	0.677246	2.07925	-0.55954
-1.68698	7.51E-02	2.03229	-2.55E-02	3.43536	3.70874	-2.61343	1.93634	4.26416	0.961334
1.46869	3.99875	-1.72543	-1.50739	6.27475	2.68811	-0.80063	4.14706	4.92859	0.162903
9.1188	0.712128	-2.62976	0.404572	2.12128	0.585632	4.10083	-0.38983	1.68835	3.59915
2.54581	-2.08981	-1.54095	0.987762	3.44104	0.6091	3.5058	1.77383	2.88593	2.94763
4.35394	1.24057	-0.10999	4.16931	6.28616	1.25705	1.49881	1.23746	2.8725	-0.21899
1.98224	0.872253	3.69373	1.29898	0.983704	2.70303	-0.27213	2.96002	-3.92E-02	-0.21341
2.422	2.39429	0.398102	1.16736	1.86322	1.35211	1.68896	-0.45038	-0.21567	-1.99594
0.788818	2.42841	1.81516	1.05884	4.81085	0.994934	1.38351	2.00797	3.12671	-2.08868
-0.90176	2.18875	-7.75E-02	2.40869	4.75443	-0.76947	0.299133	-0.21747	2.07974	-0.1485
1.10214	1.41113	-0.15482	1.05408	5.9765	4.63E-02	-0.194	0.89032	1.55093	0.434479
-1.36707	2.44305	-0.24933	1.25525	6.79108	-1.56583	2.48309	2.86053	2.05722	0.17215
-0.70099	2.14914	2.73697	-0.66623	5.72827	0.652649	-0.87857	2.68555	0.167542	0.922882
-1.14648	-0.49432	2.81741	7.06E-02	0.779846	0.628235	-0.46271	3.04105	3.04868	2.65851
0.622986	1.76215	2.56665	-1.3497	-3.31076	3.32669	7.85E-02	2.15067	-2.2529	-0.4563
1.98981	4.12103	-1.53638	1.69308	1.26877	3.32053	-0.25168	-1.37164	3.85626	-3.27E-02
4.46091	3.20688	-3.40027	-3.29553	1.16241	4.27042	-2.7562	-2.17715	1.80722	-3.19196
-0.31595	3.47647	-3.483	2.33578	2.71747	2.30014	0.262939	0.696564	-1.74329	-0.47647
-0.91007	-0.20975	1.8515	1.34238	1.17502	1.73593	3.61798	0.527924	0.832092	-3.10001
0.751007	-0.4707	-0.5459	2.03055	3.15182	1.8107	1.04517	3.83243	1.82272	-1.68585
2.39243	1.12411	2.06235	1.23502	2.98206	1.86093	-1.46E-02	2.77469	2.99634	1.41403
1.25153	1.91397	0.464752	0.460266	-0.61676	1.94873	0.61792	-3.53E-02	-0.68146	1.13861
2.62045	3.60034	1.58487	2.33026	0.239502	2.18164	2.7533	1.51779	2.16205	0.691071
3.77493	1.42206	3.10718	3.11905	2.83578	6.60E-02	2.388	2.54813	3.95572	0.370636
1.36121	1.90634	2.87268	4.09839	2.24338	-1.06958	1.74023	4.01636	3.89014	-0.96054
-0.4885	2.53146	0.660187	3.40045	0.374359	0.80603	0.60379	2.01163	2.78397	1.21231
1.06277	3.76367	3.86816	0.651215	-0.26065	3.00409	0.949677	0.940247	-2.3074	0.715088
0.185028	-0.40036	4.70413	1.4191	-3.18503	4.01141	0.642914	5.30588	3.52866	8.87E-02
3.04062	3.30246	-0.95477	-1.23984	2.21704	2.90582	0.933197	4.06903	7.37573	0.766937
4.98825	4.36578	-0.84699	1.59479	2.63498	0.136749	1.65302	-2.84512	4.513	1.96353
4.35724	1.89816	-0.27988	2.2973	1.38269	0.167419	1.35779	-0.46759	3.81851	-3.88E-02
0.155609	1.7825	9.68E-02	3.30716	2.62244	1.16861	0.483063	2.36322	3.07513	2.21347
-1.69418	1.2356	0.533051	1.66461	4.62686	0.526337	-0.10211	2.02377	5.55533	-1.06277
1.33264	-0.57434	2.34256	3.41098	2.67853	0.79715	1.81082	1.52655	3.48575	0.285614
1.61133	3.30606	1.88867	1.40076	1.16748	1.65665	3.64371	0.148621	2.70233	-0.1228

0.721527	1.42975	1.07767	5.28934	2.73837	0.27887	0.486298	1.02301	2.24402	1.91306
1.20581	1.56903	2.81708	0.704071	3.32648	-0.22897	1.32123	2.05127	4.57935	0.912872
-0.4704	-1.21204	2.85519	0.762054	0.921143	0.48584	2.01859	2.16162	3.28558	3.56973
1.65259	2.81946	2.60785	1.76111	2.53244	2.03851	3.22858	1.20444	-3.3389	0.216888
-2.78519	0.460632	1.83743	1.05399	5.27948	0.191315	2.11664	0.250671	-1.32062	-8.77E-02
0.126404	-2.80453	5.62E-02	2.18329	3.72183	1.51691	-0.35111	3.31183	-0.42346	-7.57E-03
1.96225	1.01547	3.3837	0.838989	1.08548	-0.20825	2.93832	-0.90665	0.129395	-0.49088
-1.12924	1.61057	3.35431	0.986176	2.31E-02	-1.34619	0.663177	-4.24307	0.139191	4.07E-02
2.08411	0.456299	0.871887	1.59045	1.26724	0.816193	0.105682	-0.48618	-2.03278	0.632874
0.241425	1.9967	0.275269	1.92102	1.35828	-0.11386	-1.02371	1.38037	5.04141	2.99042
0.909943	2.84406	9.02E-02	1.12808	-6.25E-02	3.43E-02	-1.98E-03	1.31256	2.19644	2.87799
3.08615	0.420441	0.921997	1.82437	2.19098	0.934845	2.91559	1.51462	3.69455	1.5318
3.21335	1.97147	1.2226	1.27734	3.36136	2.51099	0.630096	2.19333	3.15451	-2.26337
3.98111	-0.63547	9.24E-02	3.07397	0.560883	4.60065	1.42441	2.44635	3.95825	0.266357
1.97302	1.51788	-0.40201	-2.37067	1.41766	1.55563	1.78479	2.30252	3.12558	-1.23248
1.42059	1.39584	0.419647	0.7258	1.90463	1.16251	-0.37784	4.49796	2.4812	2.11459
-1.10858	0.894531	0.303833	-0.4736	-2.41272	3.27423	1.15033	3.09238	6.35706	-1.21283
-3.229	2.91858	-2.98877	-3.74384	3.33282	-2.41089	-0.43201	3.24634	3.80884	2.32355
3.96265	0.797791	-2.23459	4.64471	-3.32733	3.85007	2.18063	2.25177	2.58942	3.1925
1.47025	-0.11765	-2.04E-02	1.6922	1.54221	1.81754	1.21097	2.70352	1.3252	2.133
-0.4866	3.0105	1.57919	1.94437	3.12112	0.768616	0.444183	3.33084	4.28464	4.02026
1.15942	1.84982	1.74695	3.76773	1.71136	0.782745	0.799805	1.78049	0.808014	0.113007
0.287323	1.47937	0.936432	0.997864	-0.11197	-0.77756	0.442932	1.62015	0.699646	2.10712
0.991455	2.93015	0.487976	1.16968	1.5946	0.788666	2.1528	2.0047	1.84384	0.777679
0.499146	2.75885	2.30188	2.38483	1.09106	1.37219	3.52518	3.96051	-2.1987	3.67966
3.34052	-1.93997	1.21426	-0.47223	1.08337	1.20093	-8.34E-02	3.79214	2.67834	-0.51752
1.51892	2.81076	-1.03799	-0.43436	4.57065	1.08813	0.894287	3.99902	0.565674	-1.11526
2.15848	1.97467	0.414154	3.93161	1.80103	0.69339	1.84348	1.40115	2.31232	2.05481
5.13232	6.10544	3.36374	4.76508	-6.22974	1.99063	-1.88309	2.25986	5.26746	2.04565
3.7377	4.77808	1.25854	0.356079	4.70154	-3.82E-02	3.98422	3.64435	5.99673	1.85165
5.25015	0.906494	0.319611	3.10172	5.15927	0.874847	4.17361	4.12686	1.80591	3.3959
-2.86594	0.176178	-2.88528	2.1745	2.5159	0.430023	1.12097	5.11832	0.336884	0.426178
-0.45801	0.608185	-1.28	3.33185	8.30E-02	1.2265	1.05878	0.868134	2.94641	-1.23633
-0.55148	6.53E-02	1.75806	-0.74377	3.68286	0.72644	0.809296	0.361969	4.95132	2.68271
3.36124	9.16E-02	1.49234	2.14648	1.98825	0.880737	4.71954	0.444733	2.51663	0.595306
-0.31955	1.77585	2.07257	-0.13342	3.49518	0.766663	2.4808	2.16501	0.828552	-0.3822
3.28012	0.907959	1.58588	2.01843	2.25876	-0.24072	2.1131	2.07224	1.11002	-6.96E-03
5.03732	1.40735	0.524872	1.63788	3.6225	2.86093	2.88403	1.76285	4.77686	0.630768
1.73001	-1.28174	1.92239	0.557037	2.84415	0.778229	-0.34872	2.91263	3.65768	-2.47208
0.745178	3.05E-02	0.855774	0.661011	3.03983	0.629089	0.508057	0.304657	-7.46E-02	0.131287
4.95483	0.357819	2.29443	1.62967	2.40738	3.27032	-1.16559	1.01617	4.05597	3.00876
-0.7334	-3.60324	2.99124	-1.14041	2.43872	4.90912	0.192413	-3.67E-02	6.20584	2.25903
5.05865	-1.8479	2.6066	-2.02029	4.69846	-0.20725	4.55252	0.889069	0.311798	3.39243
1.01224	0.306549	3.28403	0.409393	1.78119	-5.68E-02	1.99408	1.14102	3.72659	0.156281
1.30811	-0.34561	-9.66E-02	0.732056	1.98224	-1.60159	2.34589	-0.67926	0.541809	2.37845
3.64172	0.398102	2.22177	-1.26556	5.96628	0.845642	-0.19049	1.63177	-2.85397	0.156708
1.04294	1.94016	1.26074	2.18658	2.48444	5.30255	1.22394	1.96265	1.86566	0.6586

3.55435	7.14E-02	0.649689	-0.82004	6.47989	1.16336	0.141296	1.59271	3.99384	2.28638
4.54514	0.489166	1.90698	-4.70007	3.90948	0.209869	3.2666	2.05762	2.56281	0.57193
1.39731	1.00662	-0.32443	-0.43921	2.64838	1.10245	-0.15949	4.53427	3.41516	-0.51505
-0.47321	0.681183	-0.67609	0.102631	1.11197	1.87372	0.364075	1.83014	1.81277	-1.37637
2.41168	0.353943	1.10165	-0.90558	0.420624	0.363403	1.33365	2.66794	4.51981	-0.12701
-1.29037	-1.80588	-1.40598	2.05539	-0.52042	1.06302	2.83493	-1.86014	5.55798	2.44275
1.75061	-13.1209	2.47824	1.33316	0.453339	-4.4563	2.93539	-1.42245	2.33884	1.11374
0.562744	-5.67572	0.586517	0.493011	0.79068	-1.23874	1.36731	2.06506	8.7803	0.739532
3.61014	-1.08963	-0.16708	-2.32571	3.6402	3.16663	-0.13892	3.13992	3.2211	1.68127
0.954681	0.707306	0.709503	1.04144	3.39374	3.1622	-0.80283	4.21564	4.66473	1.86115
2.62802	1.96E-02	-4.09E-02	0.412415	3.26758	0.431458	1.3183	2.26389	3.18152	0.566528
2.22153	9.47E-02	-0.33695	-0.26502	3.97903	-0.32455	-0.88977	1.67484	1.53104	-1.38721
2.02396	1.43115	0.729797	2.40945	5.52988	1.58676	0.403503	1.1322	1.53845	-0.57233
1.39075	-0.81705	8.32E-02	1.88333	5.79736	-1.06412	-3.97E-02	2.15723	5.76242	0.656952
1.57922	1.42844	1.91818	1.7623	6.3407	-0.22037	0.188934	0.777252	4.35056	-1.31094
2.53992	1.64227	1.84329	0.718231	5.15015	2.67114	2.19867	0.558319	-0.63983	-0.34839
-0.49173	-1.80255	2.73846	1.76172	4.24854	-1.69418	2.60E-02	2.24686	2.5386	1.4827
1.41672	0.149414	-1.53348	1.0098	-2.41272	-2.60599	1.98294	-5.44193	6.76917	9.15E-02
1.29361	-0.79953	3.62344	-0.52731	-0.13709	-4.36438	4.97531	0.736755	2.71674	0.385437
3.88065	-1.83032	1.97861	-1.47049	3.45605	2.32596	2.07224	-0.56113	4.5976	4.26303
1.93866	0.833954	0.835022	1.74808	2.64349	0.58252	1.88657	2.2872	1.79761	0.809784
2.52231	-2.58E-02	1.68701	1.87375	0.763916	2.1991	0.35199	2.16693	1.91861	0.598572
1.50803	1.50952	2.21835	4.42773	3.59625	2.98804	1.68341	2.52097	1.36081	-0.8606
1.23004	0.591278	1.01654	0.294281	1.58423	0.451935	1.43024	1.81393	2.24704	5.23941
1.41495	1.98206	1.72717	2.57938	3.6962	1.36264	3.2305	2.0162	3.15643	2.7334
1.13913	-1.75424	-1.31641	2.77002	4.76477	0.978088	2.0831	1.41122	5.78812	0.435944
-0.79178	-0.27496	2.59738	3.18698	5.24878	1.82904	2.23181	1.21286	3.37354	0.798065
1.83432	1.58527	4.23499	2.56296	1.91855	0.123627	0.681366	0.808044	3.86218	-0.33179
4.39139	3.44315	4.53937	1.40732	3.59525	-2.9805	1.53058	2.13394	1.53131	2.2926
-2.66409	4.57922	-0.48517	0.501495	5.15277	-0.48587	3.36594	5.81497	4.34027	-9.67E-02
3.1792	2.57947	-2.13016	-2.79944	3.85452	2.88651	5.40302	4.07584	2.77072	-2.97095
6.03696	1.1489	3	1.33939	1.76596	2.34406	2.94702	-1.46054	4.32852	0.934021
2.39944	0.225952	0.348328	1.14877	-0.50189	0.616821	0.723083	0.835602	3.08859	0.944977
1.77271	-0.67419	1.09589	5.31775	-0.60986	1.66061	0.480988	2.93994	0.734924	1.17474
0.300812	0.150421	2.03387	1.26044	2.74E-02	0.115936	0.993286	1.91476	1.48624	1.29022
2.59412	-1.54944	-0.17835	1.02469	0.454926	0.912842	0.494141	1.77545	2.87186	-0.6463
0.213257	0.206146	-1.03592	2.59216	4.10168	-0.13306	0.173492	0.969391	7.62E-02	2.02887
2.09283	0.511139	1.21167	1.36533	6.27188	0.112885	1.38028	1.93253	3.7471	0.667755
2.7489	-0.94226	2.75397	0.635986	1.99228	0.191437	2.30273	3.91507	6.13385	0.720367
2.02969	-0.41571	2.15009	0.826843	3.05206	0.981842	2.19409	0.207916	5.21317	1.80701
2.71729	5.45026	1.16937	2.33072	2.16702	3.19269	5.92825	-0.63516	4.22891	1.75671
1.30542	6.14362	5.49933	2.11548	2.05948	0.859222	4.37082	-2.89014	4.94217	2.46176
0.779694	2.51706	3.97784	-0.24841	-5.49838	2.65692	3.27222	4.85254	0.865631	3.94614
3.88754	2.02969	-1.57239	3.59641	2.25665	0.584351	3.24493	3.37216	5.97122	2.06781
0.149353	0.292175	0.697113	-0.52863	4.9906	2.41891	2.14389	1.71802	2.92191	-8.71E-02
-0.3414	1.43091	2.12781	0.664642	2.50522	4.80E-02	2.69458	-1.03647	1.44153	0.119659
-0.87299	2.0029	0.288147	-4.82E-02	6.14978	-0.14175	2.70401	1.57687	2.33102	-6.84E-02

1.59323	1.15088	3.51254	1.92508	6.50003	2.01355	1.67392	1.60983	1.71115	-0.51309
-1.22495	3.02615	3.45767	1.88855	4.8931	2.44815	3.672	1.36099	5.16995	0.592682
2.87473	0.973663	2.15948	2.82523	6.98376	-0.11054	5.4227	1.91544	2.8074	-1.29935
3.2785	2.38614	2.10129	2.9216	3.40759	0.764526	0.175934	1.38754	4.04736	0.833954
3.5477	2.88327	4.34009	3.34073	0.63855	2.06894	0.398682	1.40872	1.58047	5.83441
3.92068	0.940369	0.308258	-2.98889	4.79852	2.11011	-2.43195	-0.54846	5.7905	2.4722
2.44781	1.77951	0.627228	2.86838	-6.26654	-0.92349	-0.11206	2.42087	3.01346	-2.64093
5.6582	5.21848	2.18524	0.672363	1.18042	2.17871	2.36221	1.46573	2.38654	2.25943
-0.31906	-0.74551	1.92059	-2.87531	-0.43314	-0.19846	5.10263	2.05417	6.12711	2.46753
0.133636	-1.33664	-2.00919	2.5784	1.10739	1.92593	2.38467	1.61432	4.2757	1.81
-0.13892	1.4371	2.0079	0.785461	1.46713	3.23779	-0.97903	1.90814	6.54404	3.47897
0.370605	1.55341	1.43655	1.70374	-1.23822	3.67105	0.98349	3.24539	5.03491	3.31561
-0.14896	0.505676	1.62683	2.62286	-1.46707	2.74643	1.23874	1.78946	1.18106	0.912415
-1.03525	-0.68274	0.866486	0.601257	1.8562	1.03674	2.1228	2.17529	2.66013	1.44757
0.518127	2.46045	2.20007	1.89334	-1.12744	3.27917	0.517792	1.83502	1.21051	2.23184
0.420624	3.21823	2.13339	0.577789	4.29437	0.97934	-1.68637	1.14166	2.91074	1.33386
4.52841	4.01517	5.92E-02	0.608154	1.45755	1.63104	0.979187	3.54022	2.59598	-0.93488
0.485474	-2.41196	2.19894	-0.73978	1.70355	2.15781	2.61966	3.27905	5.13071	-0.37369
1.11252	-7.98056	0.667328	-3.99521	1.83826	4.73083	4.96902	2.49088	0.68866	2.48975
6.7713	-1.18173	-0.15808	0.581482	7.48154	2.67181	-0.23789	0.20874	0.557617	1.89764
5.45935	2.00348	0.770416	-1.77701	1.80267	1.21915	-0.15509	1.59607	6.45261	0.225616
0.717957	2.21695	0.44342	1.2272	3.9332	0.968933	0.915192	2.25931	3.4248	1.6889
0.21228	-0.10519	4.59641	-7.62E-02	3.34814	0.574799	0.158478	1.92624	1.88892	2.53537
0.884521	-9.99E-02	1.50388	2.19263	3.32947	-0.78787	2.25269	2.42526	6.47961	2.76691
2.14203	-0.30075	-1.07895	-0.51532	3.42084	-0.46707	-0.28406	1.00406	3.41266	-0.37878
0.334045	1.45416	1.14877	3.50595	3.3765	1.25406	2.02719	0.853912	0.667725	1.40237
0.745148	1.26025	1.54349	0.43692	5.14578	0.129883	0.444	3.30933	1.1091	2.32785
3.1347	0.623322	-1.27032	3.03638	0.47467	1.72833	0.809235	3.68665	3.45074	1.73398
2.12851	2.63608	0.878387	0.944153	1.71704	1.10934	0.259064	4.57373	4.25269	0.377319
-0.92563	5.32785	0.720947	0.26532	4.72974	1.3252	0.825073	0.426056	3.832	1.67169
-2.5799	-0.56647	-0.61646	-1.29611	4.98428	3.50974	5.50192	3.08936	5.68567	1.87567
-1.0097	3.07477	5.85214	-1.77872	6.93674	-0.375	3.1077	0.171051	5.76834	2.37485
0.303955	2.52768	0.698517	2.8425	8.84586	0.690765	3.86664	2.53317	5.48761	0.630219
-1.22775	-0.70435	1.8786	3.86139	2.82919	0.120117	1.16977	2.51001	3.83881	0.801575
3.04111	5.18E-02	1.56781	2.40335	5.17313	2.4277	1.42108	-0.40457	5.86633	-2.76E-02
0.867798	0.60672	5.28256	0.447113	4.42337	2.37213	2.38589	0.677063	5.49411	1.28113
0.653137	-0.98465	2.15665	2.63647	0.432037	-0.93207	3.20004	2.70145	1.25876	3.2504
1.80075	2.38156	2.05719	2.86847	3.47549	2.94534	1.8924	2.7868	3.91684	3.87238
0.519348	2.43515	1.14059	1.80695	4.26657	3.25327	1.77249	1.67123	4.6329	3.08646
1.75952	-0.97476	-6.17E-02	1.12268	2.3649	1.28662	1.76163	0.349457	1.28024	-0.40753
-0.50211	3.51196	1.0928	4.74423	4.11404	0.422424	0.769165	2.37164	3.17587	1.86203
3.18488	6.54517	1.21515	1.5589	-0.23087	3.55249	-1.71423	6.69714	4.08691	2.89429
-2.83789	0.499115	4.39972	0.162872	6.27368	0.665833	-2.70969	2.13205	3.69357	1.00516
2.54752	4.37769	1.06702	2.33426	4.66312	-1.29559	1.6709	0.69693	6.48312	5.11285
3.81E-02	1.61609	1.1709	4.05179	2.80438	-1.41446	1.15982	0.466064	6.15231	0.88501
-0.25024	1.63757	1.57501	5.31839	1.80341	1.31702	-0.28101	-1.51318	5.30798	0.196503
-0.1044	0.245087	0.487183	2.11505	3.91772	1.2897	1.88046	2.78525	2.78754	-0.37665

3.45782	1.21042	1.80338	2.41342	4.95447	-0.24246	1.31989	0.433777	6.87592	3.48743
2.63342	2.56216	2.32486	1.50388	2.58344	1.54144	1.69022	3.75574	6.19424	1.7532
3.31433	1.67096	3.60129	2.64206	1.24069	0.594757	1.84308	2.04831	4.16055	3.4834
3.25925	0.76236	-0.23251	2.98285	4.86517	-0.60483	3.88199	1.40033	1.66162	6.22784
3.47101	0.302948	-7.39E-02	-0.24332	2.98587	2.66763	4.03E-02	0.778656	2.09616	-0.39423
0.233002	-2.59662	2.91309	0.634247	3.17346	1.61884	0.428284	2.33444	-0.32144	1.86273
4.51617	3.02106	0.985657	4.0119	5.15582	4.52481	-1.95703	2.51965	2.4736	4.03091
1.20343	3.49033	8.14E-02	3.86209	4.51566	4.12393	1.79312	2.78726	6.00427	0.527466
3.65289	-2.25052	-0.41187	2.70499	1.80792	1.74091	0.802704	3.07565	4.38443	3.56E-02
4.53473	1.3873	2.86472	-0.36969	5.31598	1.69916	2.16821	2.23776	0.465424	1.85803
2.29944	-3.53494	4.42453	3.76797	-0.86841	1.56052	0.621094	2.66241	0.1185	3.4119
1.00809	0.177887	3.12561	2.68896	2.98325	2.41791	0.536377	0.53653	2.14392	1.37967
1.1933	3.2186	1.14386	1.96274	1.79956	1.33365	1.29449	1.08948	4.38583	2.38553
3.05353	1.21158	1.61694	3.32498	1.84854	1.77795	-1.44E-02	2.63834	2.63736	5.0741
1.47675	1.57104	0.687195	2.08145	3.99728	2.79886	3.18158	1.9335	0.794434	1.90479
2.65833	0.515167	0.787567	1.21664	3.53607	1.31097	2.3266	1.70111	-1.28888	4.24493
2.28943	-0.22427	0.478088	-5.54E-02	3.142	1.09454	2.61542	3.61377	4.69595	4.94086
-1.09E-02	-0.13391	2.22821	2.37793	3.21475	2.13531	0.790771	1.84885	3.54507	3.24854
6.47128	1.58997	1.79504	1.0304	4.49005	2.86499	3.74777	4.27496	3.9765	3.99371
7.54843	1.77753	2.51743	2.61548	4.54428	-5.02899	2.55331	0.523651	4.09225	-0.78674
0.333496	0.189758	1.95023	-2.80362	6.07623	-0.77228	2.1933	-6.06836	-2.32736	3.10284
5.16995	3.77908	4.95502	0.2547	2.20667	2.27927	2.22711	-0.97922	4.4585	1.86371
2.70395	2.19147	2.43613	1.49399	1.23691	-0.20737	0.716095	-0.5658	1.0733	-0.95602
0.658905	1.21661	-0.28821	1.08237	2.28745	0.670319	0.143188	3.70172	2.97333	4.78915
1.966	0.964325	1.52286	1.18024	0.477173	0.758057	0.508514	3.70929	5.41193	2.6748
1.64835	4.30206	2.11215	1.99597	2.45825	2.71063	2.58954	1.86163	2.90173	4.1496
2.32904	2.54965	1.0481	1.08536	4.01639	2.73834	2.94858	2.591	5.22964	3.40469
-0.23917	0.352356	0.554169	3.03564	7.69617	3.40659	1.33118	2.50162	3.20273	1.60016
3.86023	0.787842	0.867676	3.83499	6.49408	2.21783	0.294617	2.15985	1.71375	3.79788
1.8884	3.03848	0.727112	3.91385	2.20764	2.97964	1.82938	2.10962	1.83716	1.38962
-2.66342	4.53885	1.61224	5.59741	1.59885	4.90231	4.89017	-1.35904	3.996	0.28891
1.75302	2.68881	3.64383	1.55957	5.78076	5.67703	1.16202	0.477753	6.91986	1.80896
4.07101	-6.94312	6.37054	0.138672	0.742615	2.84521	-2.1326	2.98993	6.05801	1.32513
6.67465	-3.21381	0.960602	-1.87259	1.82358	3.25156	0.723511	5.37347	6.72272	-2.93E-02
2.99234	1.98618	-1.6655	1.5679	0.588318	1.76462	2.60489	6.22421	1.8298	-1.05371
0.613007	0.682587	1.22379	1.80457	1.68143	1.44299	0.850891	3.01202	3.27612	1.07037
0.904022	1.95871	2.24817	1.50812	2.39166	2.36765	1.91901	3.36697	4.96161	-4.18E-02
2.14655	4.43225	-0.28784	1.76669	0.945953	2.18274	0.103516	1.90985	0.618744	-0.17648
0.740234	4.28165	0.912598	0.630951	3.0145	1.01416	0.941803	2.03891	4.79523	1.42358
3.02594	3.10385	0.385773	-1.04828	0.852661	1.18066	1.27618	4.08942	2.7868	2.35526
0.900513	0.603729	0.304688	-0.2915	4.83368	0.255646	3.05881	0.278168	0.424042	0.363983
1.50992	1.67319	1.96909	-0.89996	1.60257	1.23184	0.898163	1.09174	-2.16492	1.23203
-1.19373	-7.05984	-9.06E-02	3.32452	1.29443	3.32571	0.451477	2.80746	3.9664	0.89679
0.83493	-2.49118	-3.53918	0.819489	2.78857	0.794006	1.40332	-4.27E-02	3.12036	2.46576
-2.47998	-7.20322	0.368225	-0.11444	4.68033	0.151611	-2.44879	2.95105	3.39893	-0.16635
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-1.52365	1.71536	0.717712	2.8288	2.25491	-1.28308	1.3877	0.9133	4.3761	0.939789

0.374084	1.6387	2.82639	0.79425	4.88284	2.29129	1.64679	2.48865	1.39752	-0.77976
1.3598	1.21411	1.60687	2.13074	4.34085	1.06165	3.5481	2.59207	7.28214	0.659821
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0.458832	1.91833	1.18939	1.49997	5.60999	0.827454	0.716187	2.76071	4.94095	1.7728
-1.45425	2.16486	-0.66733	0.900421	7.05746	0.28949	2.91278	2.80853	4.04611	3.87906
0.148529	2.50952	4.25287	0.987396	2.9809	1.49323	0.790009	2.34805	3.90604	2.06445
3.31741	2.69427	3.43219	0.503754	0.69754	1.62103	1.05328	3.17432	3.07068	3.40573
3.72757	5.26855	1.99045	-0.72629	1.90625	3.31299	-3.76483	4.19086	2.845	0.486603
3.38663	2.41443	2.75302	5.19809	5.25897	3.30881	0.757812	3.20496	1.99957	1.89896
5.61569	2.82288	0.715027	0.769958	4.80054	-1.07349	-1.90509	0.173035	3.15582	2.71225
0.472351	1.03247	2.94699	3.48651	5.03476	3.06165	0.657318	2.81586	2.61591	2.41772
3.15756	0.115356	4.50031	2.13269	-0.71851	2.28214	1.56348	4.862	4.32471	2.3392
2.47919	3.30249	1.40869	0.858368	1.37842	1.59021	0.802673	2.75732	2.45242	1.52045
-0.28058	1.2662	1.23026	2.27524	2.60608	-5.57E-02	0.678986	3.15207	7.18912	-0.17529
0.996643	2.41608	2.56314	3.40778	4.02054	3.66714	1.96375	2.24646	4.02246	-2.487
1.67624	2.32623	3.43918	0.733551	5.19559	1.87576	2.5199	2.89212	3.03864	1.47318
0.733948	4.07025	1.80997	3.77423	3.97638	1.37848	4.293	1.50684	1.87802	3.04465
0.69931	0.135132	1.35257	2.1839	4.37079	0.948547	2.30692	3.09625	4.42764	3.65756
0.707397	-0.61014	2.33609	-0.42636	1.61716	3.07974	1.03189	3.57712	1.33316	2.48773
2.24188	4.52716	5.06335	3.03171	3.38205	-2.7598	-1.95694	1.66086	4.4776	0.234711
4.08603	1.59973	-1.44168	3.4444	4.19528	-0.41669	-1.46927	3.72525	3.01938	2.75858
2.83301	4.80658	-1.28198	2.19238	-0.36539	5.1817	-3.08078	1.34973	2.37402	1.44064
7.85223	4.25208	1.2283	0.742188	5.36908	2.91855	0.580139	0.718964	0.9646	2.65381
0.186462	0.34436	0.3255	1.8259	2.12991	0.234833	0.426971	2.07053	0.999084	2.3356
-0.89972	0.334412	-0.73431	2.78467	0.780426	0.522003	1.16327	1.28903	2.91742	1.88147
2.78131	0.495422	1.39658	2.82562	2.88846	-0.56766	-0.67362	2.86829	1.97983	2.88931
2.80624	1.21027	0.926544	2.17899	2.30103	0.610931	-1.23087	1.97314	4.61545	1.07651
0.943756	2.22305	1.84628	0.946472	0.514099	2.15344	1.43729	2.69949	3.80313	1.16589
0.83905	1.23944	0.313293	1.16293	5.16406	-1.01013	3.56E-02	1.48062	6.31931	2.59705
3.70053	1.93002	3.18698	-0.4747	1.71997	1.14124	0.681915	3.69705	7.71646	-0.48892
0.562195	1.70639	0.229797	3.09253	1.37067	1.88464	6.13E-02	0.215637	1.48227	0.509033
4.11578	5.76324	0.621063	1.8674	1.41605	4.76309	-0.16293	0.169037	7.25031	1.92999
1.76041	4.64264	0.904419	5.36829	4.58987	5.25912	-0.52658	3.45798	1.18027	1.74866
-1.43311	7.04227	0.312622	-2.20734	-1.33047	1.2276	5.40891	0.160156	2.78882	0.763031
4.13794	4.34879	1.05692	-0.431	-1.72632	2.98944	3.14722	3.24368	0.602203	-0.15927
0.274841	2.09897	-7.88E-02	0.525177	1.76752	2.20331	0.253479	1.8443	4.11029	-4.19843
-0.35132	1.66861	-0.19629	-1.94614	2.04224	1.72162	0.366974	1.66852	4.45862	1.83655
2.33972	1.33951	1.38358	3.00214	1.93378	0.27594	4.25259	1.61166	2.69232	0.930634
0.506134	0.943878	1.21204	4.31628	1.32535	0.692749	1.51303	1.43475	3.24356	-0.34769
0.311432	3.75934	0.953186	2.07025	4.69058	2.27255	3.6857	2.65372	2.37292	1.53787
3.38144	3.98886	0.338593	0.203033	2.04538	2.56659	2.76508	1.72592	4.0502	2.66534
4.94373	-2.27417	1.36578	-1.25983	4.3201	2.68933	-0.49637	4.68716	0.418335	0.323975
0.989105	2.91858	2.48489	1.78226	5.65207	-0.62256	1.64178	-0.32178	7.06726	4.14774
2.42538	5.27606	1.32077	4.35272	3.44604	3.77759	1.73935	4.62704	2.1958	-2.15851
3.36261	-1.47919	5.79752	1.41129	3.73938	1.96262	2.68274	5.43176	1.55646	-4.37213
2.6691	1.00089	1.84854	-0.42822	5.13062	3.65311	0.935394	7.88654	2.69913	1.00903
7.30704	3.48297	4.13589	2.28091	2.98468	2.85666	0.649719	10.8626	3.0611	1.12073

3.33286	1.68805	1.98633	-0.48251	4.465	3.67032	-0.52612	4.78992	1.89801	-0.23181
2.39108	0.315613	0.156891	-0.46075	3.59003	3.16949	0.216278	3.29694	3.17633	1.56345
3.14291	3.11652	2.31247	3.18744	3.30865	2.20703	0.27301	1.68579	7.68063	3.17E-02
1.54083	1.06805	0.536652	2.96097	6.04935	3.36563	-0.34097	1.55984	2.32355	2.13089
0.768555	3.71945	1.73468	6.70E-02	3.2229	0.723267	-0.39252	2.78131	2.68854	3.58807
1.79733	3.87006	-0.62213	3.62512	6.12137	1.39346	1.1384	1.19144	4.9729	2.46884
3.98752	2.27295	0.721893	0.851379	3.47888	1.98962	3.24313	2.56595	3.17764	4.82196
1.68192	2.60129	2.35239	2.21304	1.10895	0.645844	1.91727	1.69424	1.61136	-2.65439
1.59137	-2.26785	1.92685	2.50372	5.44913	-0.90991	2.71045	3.90564	4.69711	-5.2233
2.14383	0.533234	5.20172	6.47458	5.60956	0.501007	-2.15729	7.20E-02	10.8453	-2.51633
6.85501	1.22906	2.55243	3.84216	4.31161	2.4657	-1.10428	7.93146	2.09442	3.90323
6.32773	1.29068	0.912811	2.1174	2.65598	1.26224	-3.91629	4.01218	1.3476	0.881805
1.41934	-0.88644	0.170807	1.8129	-2.04E-02	-0.67148	-0.29703	4.46701	2.5072	1.0351
-0.91751	3.04459	1.08911	4.67334	5.51883	0.831116	0.272369	4.11932	2.13501	-0.81354
2.48712	2.25562	2.75577	1.84662	3.42407	1.29773	1.14511	2.33939	4.99503	2.56131
3.11722	2.27475	2.66956	4.32779	3.42133	1.71494	-0.85696	3.02536	4.51096	1.85022
0.431549	2.66785	1.77017	4.66037	5.3877	1.00955	3.22778	4.0535	2.95895	2.46167
-0.26355	2.80875	1.76907	4.19522	6.94867	0.51059	-0.1105	2.32361	5.29831	3.83963
1.64011	1.72223	2.35297	3.31	2.09799	1.38065	0.589722	0.863556	3.22644	-1.79593
-0.33749	1.03976	3.5358	2.81424	1.59906	1.59222	1.27188	4.20102	3.46686	2.01883
1.27347	4.00076	2.44437	4.45291	2.85205	-1.0556	2.18405	3.72104	4.03439	1.58749
1.90463	5.61554	4.01035	-1.35431	2.67957	2.11932	4.96933	5.24875	11.1181	2.33987
0.141815	5.39548	-4.53E-02	3.43036	2.46814	2.7142	4.44171	3.08804	5.91263	0.513031
4.72464	4.2515	0.769989	3.00961	1.04337	3.56815	3.40753	0.645264	3.80701	2.61252
1.09314	-1.29492	0.734528	5.00677	-0.84158	1.60623	-0.20902	1.01492	2.30591	1.07318
-2.2973	1.31119	2.9303	4.20416	5.30453	0.864502	1.06216	2.08713	0.962219	4.00586
0.275726	0.547821	1.64966	1.04172	3.49426	3.03424	1.3905	3.70398	5.61081	5.75061
1.05515	0.783661	0.687958	3.36319	3.17575	3.16785	2.02173	3.51224	4.25424	3.2883
1.60864	2.79535	2.41998	5.00287	3.31888	3.22855	3.5072	5.10611	6.75323	1.8158
2.22504	1.48517	2.53387	1.48654	4.15637	2.31757	1.44308	4.70493	6.52252	2.90094
1.5816	3.02972	2.35287	5.2793	-0.50922	1.43893	1.18143	3.47086	4.79434	2.82327
3.18472	2.67288	2.91281	5.36053	-0.26325	1.80844	1.43857	-0.39798	2.37198	3.91422
2.96548	3.06497	1.18484	4.3175	3.95602	2.70279	0.614166	2.79916	4.69382	0.304504
2.00662	1.36142	3.38943	1.49039	5.17938	2.38852	-1.13428	-1.34244	4.48227	2.25275
-1.9628	2.40256	0.933746	4.16397	2.89514	4.1232	3.64941	4.02533	1.62921	-0.28296
2.12164	1.54028	3.96262	3.83829	1.37296	0.61145	2.28491	-0.61133	4.30862	-3.18637
1.25894	-1.46252	1.4707	3.43719	2.56171	0.660522	1.92557	0.57132	4.09149	2.34409
1.2673	-0.26779	-0.11319	1.89996	5.31674	0.987305	1.02768	1.69693	4.54553	1.34747
1.9729	1.7851	0.529358	0.622009	4.07068	2.63284	3.35019	4.41818	4.10751	0.839722
2.05923	2.75247	0.857941	0.55719	4.44675	2.48013	3.52652	3.27264	3.47665	1.9364
1.97464	1.95966	-0.34073	3.23877	3.7131	2.85587	4.81149	2.9725	3.00824	3.74417
-0.22107	1.59686	-9.75E-02	0.236633	3.94598	1.78519	3.73718	4.43033	1.31003	4.52554
1.64322	4.67505	-0.40262	4.47949	0.436188	1.86224	0.940521	4.85037	1.38425	5.77856
3.0499	1.30649	2.8197	-1.20215	4.22894	1.02094	3.53757	3.20883	3.33768	0.356232
1.19107	-0.58475	1.12555	5.33881	2.11703	4.66E-02	-2.18942	1.10226	4.0798	0.796204
7.87582	1.59573	7.85974	-2.80E-02	7.76205	-0.62177	-0.35779	1.87527	9.23276	3.11575
4.96872	7.97089	3.38684	0.416565	3.61594	2.4241	-0.71069	0.21344	3.22552	1.69263

4.67694	3.9957	3.24649	0.981201	3.52948	2.66116	0.851929	3.23187	4.2496	1.29913
4.83765	4.73877	3.04742	2.12628	4.73691	1.32361	1.17E-02	5.52863	5.9007	2.27048
3.63339	2.06381	2.017	1.15335	3.39493	2.67E-02	2.10336	3.54373	5.69373	4.44467
2.4827	2.99991	2.98785	0.376038	2.14987	2.51425	1.9043	2.27237	3.22623	4.05762
3.40732	-0.25604	3.57434	1.38828	5.58615	1.44254	2.21664	1.39874	4.60434	1.98831
2.26395	3.10004	0.981171	2.12387	1.62448	2.22375	3.6904	2.72742	3.48163	1.66779
0.607147	4.54715	1.64569	1.37195	3.58939	0.667389	3.20078	3.96841	2.40271	2.00204
0.155029	1.15512	2.32187	1.2876	4.29669	4.20712	3.87253	4.22275	7.13135	3.09296
-0.72299	3.76218	0.856995	0.942932	1.79425	2.13293	3.41058	1.83102	2.63916	0.563629
4.65747	-5.70724	-1.17215	2.4581	4.41144	4.03299	1.26767	1.71164	4.89001	4.41489
6.31653	2.85492	9.65E-02	4.62219	6.01868	4.34903	1.40991	-0.10803	7.24326	-0.21454
3.25729	-2.85004	1.68262	1.49197	4.60782	5.21912	0.469208	4.08176	-0.69586	2.01675
9.08066	4.92609	0.737305	0.601288	4.63016	-0.80685	0.845215	1.33148	2.2092	2.19742
3.68185	0.265656	-2.57E-02	0.263092	1.4826	1.08902	1.50507	0.778412	7.09189	0.494781
0.747803	3.6163	1.93298	2.61835	1.85962	1.14261	0.641876	3.74963	3.36972	-1.33813
1.7865	2.91702	-0.35733	0.788239	2.14957	0.255157	0.529999	2.50668	2.14041	-3.24069
2.00534	2.64426	2.94235	3.71649	3.40515	0.107452	2.28244	3.09906	3.13974	0.225311
-0.59827	2.45966	1.698	2.92465	1.34518	0.172943	1.72229	3.46011	3.40344	3.1868
0.459229	1.55844	2.97919	5.72012	4.77908	0.74588	0.478088	2.82861	3.6669	-0.45337
0.425903	1.85873	2.75128	4.64E-02	6.06128	1.54922	1.82211	3.01605	3.00925	4.24896
1.2392	0.565582	2.34399	-0.12445	6.13416	1.84882	1.44699	4.90683	2.84567	2.20392
0.869995	4.19275	0.109467	3.5957	5.51614	-0.77728	3.21417	0.73175	5.3949	-1.94101
2.48523	0.19754	-1.11768	2.63708	0.579865	2.92221	3.46011	0.831665	5.89197	-5.08E-02
4.59079	4.34036	4.14392	3.27716	0.530029	3.2532	-1.39038	-1.47217	4.91132	4.42993
2.83554	3.90417	-0.12689	2.9151	-2.68143	7.93E-02	2.10812	0.140961	6.45282	5.22473
3.05676	1.88885	0.824829	2.1543	3.77731	2.13562	0.881195	-1.93289	7.40491	2.8699
3.05658	2.52539	2.12671	5.19385	1.97043	2.66641	2.48938	1.64883	1.79352	1.99374
1.75021	1.9592	2.63306	1.66452	4.05676	4.48044	2.75589	1.92297	4.53452	1.46893
3.24103	1.56296	1.07224	3.42587	6.52383	4.66925	1.33252	2.87836	4.45706	-0.19791
2.07526	2.64096	1.80969	4.88138	4.16528	1.96664	2.19879	2.9231	2.96384	2.05698
-1.33075	2.40225	0.973389	5.58E-02	1.12787	4.50616	0.745087	3.99893	3.90311	3.58575
5.45651	2.05875	3.48557	2.29727	1.15909	2.45822	1.18002	5.67075	5.09045	-1.18503
0.274414	0.297089	2.29129	5.56055	-0.13504	-0.67026	-0.26791	3.06412	6.21646	-0.35947
0.92337	3.38065	3.83945	4.13681	3.75262	2.63501	2.53296	3.30185	5.19751	1.68192
1.54361	-1.15668	5.65854	4.67709	0.184784	4.04993	1.61453	4.35675	3.07275	1.91345
-2.14328	-8.82483	4.41425	1.94037	5.84052	-2.31958	3.19632	5.04584	0.554932	4.33884
-3.68594	1.74139	2.28992	3.065	4.27206	0.512238	5.73492	0.951874	1.97052	1.26941
-1.86554	0.997559	2.12851	5.19598	2.7041	-0.91449	3.16629	2.06693	4.53149	2.95389
1.17038	2.16849	6.81E-03	2.08215	2.14322	7.06E-02	1.49829	1.66592	-8.11E-02	4.35846
0.539001	1.47501	1.10715	3.93112	6.88797	0.866028	1.4332	1.39728	1.55362	6.09421
2.48642	2.47696	0.958832	5.32367	6.55505	-0.86957	1.19742	2.33575	2.51135	5.87262
3.85974	4.34146	-0.80591	2.05597	5.97919	2.25406	2.71741	5.3425	4.87173	1.5571
1.57114	5.71176	0.510986	1.80225	8.06738	1.92007	2.82867	5.66702	5.00113	3.47516
0.653015	4.96204	2.74637	3.51489	6.51929	-0.14285	-1.23688	1.52444	5.44815	5.72937
1.29822	2.29196	1.32349	2.44165	3.33835	2.00162	1.35757	2.70364	4.15106	3.54303
-0.19742	4.00177	2.13E-02	2.44812	4.43652	3.11292	0.744049	1.92535	8.24789	2.6286
-1.55829	2.74323	-0.14526	2.39587	4.98618	5.20633	4.61331	2.62238	5.88248	-2.03635

-0.1687	1.89676	1.05072	1.25467	6.95453	5.51642	0.578918	1.24203	1.62222	4.73E-03
2.07346	5.2446	2.7384	1.50641	0.350983	1.39276	1.90643	2.48737	0.376709	1.23712
-1.74115	1.77338	2.83E-02	-0.2666	1.36981	2.13351	2.05209	0.143127	3.0603	2.05899
1.54498	2.57791	2.50681	-1.61E-02	3.11392	1.87619	8.49E-02	1.93594	1.03464	2.78745
3.01401	2.51562	-0.22235	3.96432	2.65128	0.386658	0.497101	3.97937	4.39722	-1.63309
0.759338	2.74698	1.51724	3.76898	4.32965	2.29205	-0.31476	2.15814	5.52255	1.91132
-0.91986	0.791534	0.673096	1.73276	4.5787	1.44617	2.0477	2.54242	3.89804	2.52219
1.16992	3.16864	-0.87793	3.22882	3.86267	0.102264	1.77399	3.80344	4.86411	2.02893
1.20023	0.603943	0.821289	1.06528	5.0741	2.75122	1.78241	3.61746	5.06525	2.77777
1.9342	-1.34763	2.53561	1.09955	2.55527	2.18484	3.18176	3.39993	2.46808	2.13071
3.39468	2.21045	1.52066	2.99512	3.79092	1.5224	3.55518	2.52866	5.7597	3.26089
9.06442	6.02081	4.22623	8.31E-02	3.77106	2.03723	2.16003	5.83847	4.60446	1.09665
5.83511	2.74698	2.92172	1.03098	0.966431	1.72131	3.57761	6.50745	5.89612	1.03763
1.75885	0.856171	1.48709	1.47281	1.42966	1.41006	4.51743	2.83636	4.53082	3.47971
0.982239	-2.03534	1.41702	3.2135	1.79739	1.39642	3.25699	2.45032	2.17221	0.854187
-1.23E-02	1.08249	0.849304	1.97946	1.82254	3.1586	1.65219	2.43802	2.26373	-8.73E-03
0.657806	2.1037	0.62085	0.516632	2.51996	2.23083	1.70261	1.62717	9.46182	0.422821
0.946533	3.26126	-0.33136	3.11588	2.79984	3.23853	3.83862	2.48184	5.16595	0.734497
0.769043	3.11716	0.485382	2.62897	5.7572	3.19064	4.71451	2.9563	4.22473	1.88428
0.539734	0.654968	1.6377	2.10175	4.58966	0.71817	7.41E-02	3.40451	4.65051	4.73764
-1.4332	2.00363	2.96567	3.70929	2.53589	-0.66498	2.28983	0.739258	1.42694	6.76877
3.96021	0.338562	1.02481	4.28943	3.75687	1.71832	1.40958	4.50293	0.610687	3.12793
-3.99133	4.00385	1.43695	3.07751	2.43423	2.54309	0.872375	4.70264	4.58301	3.9068
1.63391	4.80933	2.85953	3.2002	3.31607	2.19513	-2.26407	4.91095	4.71066	2.31345
-8.56839	3.68668	-7.77E-02	3.99786	0.306824	-0.6471	2.31039	6.79114	0.687317	1.85895
2.61066	4.52777	-0.96811	2.728	0.71286	1.06296	0.71402	1.65097	2.8392	2.35852
1.00433	2.22916	1.8009	4.52728	3.40091	0.755615	2.35718	3.41391	2.5466	1.2937
2.44998	1.67261	0.557709	5.12625	5.55234	1.96091	1.08817	2.74164	1.74103	1.88196
1.91861	0.258209	1.43695	0.951111	6.54288	2.92905	2.33371	2.96497	3.02454	1.63873
2.75592	2.45377	-0.97995	1.33289	4.68765	0.940247	0.873322	1.95483	3.78345	-0.17319
1.74976	4.08646	0.322693	1.26236	4.72748	1.22415	5.96561	3.22241	4.42804	1.98407
0.754822	1.57214	1.01367	3.52374	9.33649	2.38428	2.8028	4.11612	4.33661	3.87665
3.29013	-0.26398	0.578888	0.182587	3.0434	1.69754	-2.53607	2.36926	2.51596	5.59897
0.631409	4.13397	2.89249	2.47086	3.22986	2.53043	1.83609	1.71042	5.25037	2.51273
2.64447	3.29697	2.72717	1.90622	6.19763	4.64099	3.20038	5.63104	0.28299	1.3537
5.12372	0.67514	3.13812	2.81519	6.60928	5.30753	3.20721	6.59546	7.85236	3.68405
3.50882	1.63528	-1.53986	2.77689	3.35364	0.379395	1.134	6.51605	2.32834	4.70743
6.40674	7.77319	0.219208	2.42111	3.84756	0.959961	1.41281	6.67126	5.56802	-0.35837
2.68954	4.67798	3.47961	5.7908	2.9733	0.292908	2.59E-02	2.25702	3.51331	3.56909
2.34869	0.914093	2.51709	-1.20026	2.92203	7.02E-02	9.36E-02	3.84534	3.06631	3.08307
1.40652	1.15402	1.22217	1.55774	4.57126	1.24954	2.14929	2.77197	2.69861	0.920013
3.20554	3.31406	1.41125	2.33157	3.03195	1.38333	0.717041	2.62384	1.53064	2.7605
0.933533	2.79074	2.16928	1.99576	3.14349	1.15765	-1.21201	3.2251	4.50885	1.29678
2.23712	1.83725	2.50888	2.41403	6.93967	0.83728	1.58228	2.02283	4.2796	-0.61536
2.46371	0.597534	0.753082	1.62277	4.32257	3.96423	4.41302	1.78577	6.46936	3.83926
0.322601	1.60806	2.62231	2.69983	4.55875	1.43002	-0.20102	0.80954	6.03116	-1.23019
1.51257	5.14005	1.77795	3.7807	6.79742	0.6091	-3.25293	0.754852	7.31882	0.660889

5.08301	-4.59686	3.56372	2.21619	10.4815	3.04242	-2.75708	5.28568	9.37198	3.53296
2.35501	0.86087	3.70984	4.27548	-0.65189	3.16782	1.68359	-1.20505	4.51532	5.33203
5.54346	1.7334	1.13211	2.46811	4.81265	2.93185	0.605835	0.383575	9.20422	3.785
1.10486	-0.58063	-1.58E-02	1.22409	3.08002	2.46701	0.498779	2.30252	6.27411	1.5213
1.69708	1.98291	2.40189	3.15765	0.987732	2.9317	0.479767	0.916748	8.27643	4.07574
0.979309	2.30362	3.24207	0.31131	3.34555	1.16415	0.295593	2.36597	2.59561	-0.36307
1.81494	1.87265	3.27924	0.698486	2.09634	2.32034	-0.34598	3.43365	4.65485	3.12149
-0.33695	1.94955	2.93359	1.10156	7.06918	1.86136	1.7168	3.26831	5.29843	3.3595
3.37692	1.78134	0.109985	3.93753	8.02579	2.06937	2.65109	5.76492	3.43973	0.540741
2.65961	1.69495	2.55829	-1.2384	4.1691	0.705933	0.790436	4.63065	4.44974	-2.31744
1.05942	-0.32452	1.29089	1.08215	4.08374	3.83392	2.72906	3.07092	4.39899	4.63861
-2.47562	0.487762	1.95227	4.36212	1.33563	2.07141	2.66156	3.24435	5.27939	3.97229
4.82553	3.48984	3.35132	-0.31763	4.74136	0.238007	1.95712	1.37875	-0.42923	5.63785
5.27582	7.17007	3.43692	3.43408	5.94891	0.405609	1.1868	2.70123	-3.05087	5.28214
6.75815	6.54257	0.28299	1.69699	4.04767	1.26855	3.16382	0.430573	0.565399	6.30573
5.19064	1.13116	3.80112	-0.9725	2.1467	3.28491	3.44589	2.49582	2.62869	-3.81E-03
2.31241	2.57059	2.5123	2.18564	4.94534	2.0751	3.05917	2.87073	4.18942	0.135345
4.9198	1.39291	2.80646	3.39743	6.67807	-0.41946	2.2717	3.38919	4.36572	1.97983
2.04782	2.19446	3.40494	1.88528	7.12064	1.11395	3.18433	4.63464	3.77905	3.6615
2.76895	4.57425	2.61377	0.263367	5.20731	2.49484	2.5416	4.39151	5.51544	3.1377
2.47873	1.45685	1.56058	3.82413	5.56488	2.87106	3.1879	3.23923	5.23932	-0.24616
1.48572	2.02814	2.51218	6.58929	4.04709	3.49985	4.28033	2.13297	6.16135	0.855682
1.74222	-0.44312	1.71631	2.86783	4.15436	-0.83496	1.42868	4.12344	2.73596	-1.60837
2.21579	4.52866	3.43726	1.23151	0.522827	2.23212	2.70148	-0.18494	2.74939	-1.2128
6.74631	7.00452	3.66803	4.34259	4.18298	6.47482	2.96793	-1.38974	2.47217	0.235168
3.9176	6.94797	1.34314	2.39166	-0.36798	2.88162	-3.18539	1.84445	-3.55457	3.72134
3.94965	-0.53491	5.2081	-2.53781	-1.59872	2.39374	9.98E-02	0.481659	5.60291	2.37042
3.18286	0.841064	2.26462	0.737976	0.630402	0.95993	-0.28531	1.6138	3.27689	0.673401
2.29849	3.64279	0.76001	0.96225	-0.10236	1.47852	-0.78033	2.12164	2.33603	0.871674
4.35721	3.7991	5.65668	2.56052	2.60977	1.14474	0.731812	1.46048	3.80652	-0.15457
3.17902	1.92706	1.79224	3.84589	2.79434	2.76123	-0.12238	1.76566	4.44016	1.30942
2.28934	2.11514	1.78989	1.94086	6.31699	1.43405	2.43839	4.65982	2.59714	2.59949
1.87933	3.83264	3.05777	5.05362	3.82077	5.26138	-1.3692	3.47903	4.15311	2.81674
0.850616	2.38983	2.07516	3.88629	4.83859	2.23914	1.67941	2.72235	2.33405	1.99506
1.26471	1.88467	2.7774	2.79083	0.804169	3.87302	3.51489	6.35303	3.14856	2.42453
1.02148	3.29727	2.58826	3.79312	6.85495	0.358612	0.316772	2.78275	4.3399	3.57709
1.90033	2.83691	0.265717	4.66168	1.15256	3.73761	1.49182	-0.21375	6.99878	2.70947
5.04691	7.79947	0.18454	2.09769	2.96414	1.67941	1.22E-04	0.50415	3.32233	1.90234
2.53986	2.24597	1.57941	0.358093	3.56046	2.74124	1.48312	0.102783	5.0946	0.466003
0.488647	3.37265	1.85992	-0.2146	-0.88501	2.33682	1.83368	1.6651	1.60919	3.85608
3.84839	3.48889	4.23E-02	3.27246	1.66483	1.65271	-0.97601	1.07974	1.00491	-0.57404
0.165802	1.94461	2.28955	1.52872	3.24146	3.87735	0.835693	3.89139	1.85953	-1.21927
3.48703	2.48218	1.88535	2.90207	5.18115	3.63245	2.74512	2.53015	1.37146	2.09842
2.38934	3.21475	2.39627	3.13736	2.12579	3.18454	0.932678	2.8418	4.08023	1.72989
-8.85E-03	1.30646	3.48068	3.69342	4.91516	4.40909	1.73859	2.94931	4.74951	-1.28586
-0.14908	0.228149	0.727783	4.20059	3.86069	1.57022	1.38333	3.15625	6.37015	0.484558
0.910522	-0.47351	3.7659	1.84845	7.38947	3.68713	0.719666	2.82312	4.71518	3.76953

4.48227	2.42426	3.59836	2.4025	6.65073	4.90411	-1.42172	-9.30E-02	3.38589	4.08429
-4.08157	2.27853	1.41562	6.10818	0.779877	2.65982	2.04773	-2.57065	6.58258	-1.44885
-6.63339	3.46518	1.59372	1.58987	5.81952	2.2215	4.51791	-0.67905	5.88583	4.13654
1.19354	0.2388	1.33139	0.435303	3.15247	4.01874	4.33392	1.70227	6.02621	0.707214
0.394257	1.67987	0.852631	5.83838	4.83609	0.140533	0.215485	5.72272	1.83911	-0.99902
2.38168	3.58771	4.76431	4.96884	0.926544	0.913605	-0.97311	2.86713	3.61261	0.936249
3.1958	4.51852	2.61737	2.79202	5.63345	0.675049	0.124603	2.73679	4.60892	1.76413
4.13992	2.97305	1.48593	1.74997	2.62253	3.70343	0.861633	1.86273	5.42075	1.76361
0.12085	2.54965	1.39828	4.87488	5.52399	2.33975	2.3551	3.52069	5.93793	3.7764
2.01334	1.26016	0.853394	4.78415	4.04776	3.30029	3.35098	5.10602	5.96301	3.21326
0.388031	1.99084	1.03268	4.70618	4.09949	2.19522	3.48001	5.43515	4.75836	0.642456
-0.96228	2.97858	3.19489	0.506958	6.88367	-8.72E-02	1.26019	5.54062	4.31058	5.59174
-1.14081	3.74567	1.79034	2.2554	4.20395	3.4256	2.15326	2.85815	4.87231	2.33209
3.96252	2.54623	3.20584	2.0351	8.63477	4.31732	1.08713	6.86035	3.44626	1.43265
3.12592	7.12009	-0.98016	1.80289	6.61353	5.16342	2.98199	-0.21704	-2.35437	-1.91556
-0.56595	6.80429	4.14612	1.72989	4.25787	4.15994	3.43393	-2.84314	0.659119	0.702118
2.23486	2.39777	1.24771	4.0687	1.19449	2.61353	2.96289	1.93033	2.00589	1.7778
-0.8186	1.94308	-6.33E-02	2.84805	3.87134	2.7005	1.69257	3.67233	6.53372	4.89877
1.63412	1.95712	1.74545	1.33594	9.42786	2.54294	2.55481	2.87277	4.05612	2.79422
3.01352	1.35406	2.56985	3.00739	8.15665	2.60455	3.28793	2.64575	2.58383	2.22229
0.827728	1.54706	1.94357	2.53387	5.35968	3.29654	3.8309	3.85031	3.04724	2.48578
1.04065	1.57086	-1.40311	2.30405	2.83557	3.42487	0.612701	1.70941	5.63171	3.30713
-1.77377	2.99783	1.79507	4.22098	4.67978	2.14365	3.24463	1.97406	5.89334	5.38647
2.81622	5.09277	2.93219	3.27054	4.77817	2.11023	-1.50842	1.07053	5.51056	-1.02167
2.56729	2.32596	2.66776	4.54071	3.33005	2.90192	-1.18353	2.64194	2.7869	3.42389
4.88632	3.56143	3.25793	9.98209	6.99887	3.78091	3.33133	7.72507	2.79248	-0.11575
5.42841	0.915985	3.41232	3.13348	4.91812	-1.16879	3.92441	4.86414	3.26352	1.39984
1.37424	1.19989	2.9664	3.05579	2.88828	1.25705	2.56982	1.21567	2.02362	-0.78519
2.91324	2.90335	0.711304	5.56638	3.1532	3.02771	3.05829	1.24701	4.2319	-1.2948
0.895081	1.686	1.72861	1.89236	6.27124	0.318115	1.43808	2.31482	6.85403	-1.91245
0.683319	2.53192	2.52475	1.82062	1.89508	2.77454	0.932312	3.93869	5.26883	-0.39169
0.496826	4.21466	2.10275	0.256775	3.47485	3.62875	0.895142	3.62753	7.06525	0.317413
1.00705	2.42996	0.848572	3.84277	7.9762	3.03534	2.98669	2.66681	6.80075	4.37027
0.401428	1.34744	3.87109	3.86404	7.64178	4.01147	0.657593	2.76562	3.94312	2.91534
1.32971	1.50262	3.87756	3.56958	5.48508	2.56732	1.74744	6.05695	3.02975	1.73236
-1.46118	4.02759	2.49319	1.66833	3.40646	0.340027	-0.23023	3.78973	3.44128	2.82181
-1.54373	4.09207	2.29065	5.5235	2.58954	1.97711	4.58298	3.43295	2.68979	3.2822
-1.56958	6.70853	4.23694	4.21997	2.59436	2.45551	8.62653	1.75885	5.00458	3.44165
4.01291	6.43896	4.19882	7.09616	-0.36108	2.49319	8.42599	5.37875	-0.27948	3.67365
1.51974	2.39148	0.164612	3.76208	0.51236	2.34454	2.61383	8.41397	1.48581	4.24161
3.65054	0.844574	3.68542	4.49789	1.8833	2.26804	-9.56E-02	1.6416	0.902191	-0.40161
3.56018	4.1441	3.49341	2.85245	3.96884	1.46829	2.98877	3.83093	2.82541	-1.06055
1.6488	3.0488	0.449066	2.12463	3.26526	1.98083	2.04819	3.34558	2.17352	-1.93097
1.06854	3.63116	-5.18E-02	3.07629	4.31415	1.00064	4.44382	4.72995	3.73663	2.04242
1.42194	0.409454	1.54477	3.31137	4.77768	1.73816	2.8241	2.9837	2.57993	1.39749
4.38702	0.804169	1.85318	1.85852	5.28247	1.79239	4.34628	4.05392	4.0578	5.05215
1.96362	2.60425	1.72256	3.2688	5.07687	2.77405	0.853607	2.43594	5.69525	0.374268

1.80612	4.83E-02	3.5376	2.82553	3.64514	1.55313	0.218689	1.10632	4.59317	0.846619
3.13828	-1.94925	3.77997	4.60141	4.25574	-1.8175	2.64417	3.14886	6.91431	4.8367
3.80603	5.17233	4.52454	4.86798	5.26068	2.67511	-0.68466	1.48587	5.51276	0.349274
-0.27429	3.56427	2.89032	3.98499	8.53632	4.91171	-3.8891	1.28183	2.49182	0.176727
3.83813	2.58069	-2.47379	5.09E-02	3.26508	3.63385	-3.77579	1.99457	3.30142	1.55051
1.83264	1.10938	0.848114	5.46957	3.88739	0.386536	2.28769	4.31363	3.8002	4.0943
2.69479	2.5481	1.3956	1.29865	5.44162	2.13962	2.37009	2.40872	4.05783	4.70947
1.83331	2.69312	2.75226	0.136536	5.71228	3.71744	2.39569	2.06299	4.72751	3.05573
2.14963	1.78125	1.38654	2.56119	6.11493	1.68433	0.400818	1.85245	5.02274	3.48489
0.521851	1.22556	1.61218	2.12817	6.05978	3.56015	0.577087	2.6597	6.26114	3.09668
0.306732	0.982056	1.77359	2.11642	5.90576	1.67639	2.09299	3.39163	2.51971	5.03915
0.692505	0.863037	2.65039	0.178589	7.11118	1.32034	1.48462	5.20877	3.53064	3.33646
2.02789	1.78638	3.59329	2.07034	2.60477	1.88144	1.04108	2.28824	3.97876	0.774323
0.811981	-3.37064	2.39575	3.703	4.89334	2.41492	-1.54785	1.50085	4.2619	3.38129
3.86911	-2.56198	1.01782	2.98477	3.47607	6.30783	2.24292	2.41687	7.26666	3.28015
-0.32388	1.16489	2.14142	2.44778	3.32953	3.23642	3.09332	0.124634	5.75723	-4.77856
5.65335	4.06839	5.87E-02	1.3179	3.24197	-2.38104	3.70972	3.08527	1.70892	1.11832
0.690338	4.69968	1.80521	1.11768	2.60489	3.33054	2.16177	1.298	1.48291	4.37418
0.36908	2.5163	-8.62E-02	2.71426	3.40125	4.146	3.46869	1.33633	3.63452	0.299164
0.196716	3.3569	3.38696	2.25702	4.26617	1.09503	0.860291	2.39838	1.20041	0.257233
2.34705	2.23077	3.43796	1.28577	4.85083	3.40063	2.64594	3.72504	6.10043	2.09509
2.96216	2.94476	2.42538	1.81238	5.97949	3.28757	2.4906	3.49969	2.99634	4.64587
1.55792	3.95535	3.46429	4.84015	7.33798	2.39148	1.12958	3.23401	7.43182	2.36884
0.832001	2.11923	1.08417	3.0383	3.62057	2.25964	0.712616	0.111053	5.35004	5.62857
2.98669	3.20648	6.77E-02	2.88416	4.83707	5.49911	1.26846	2.48944	2.99078	5.24991
4.04898	1.94626	3.09747	4.66751	3.15674	3.6051	1.52988	2.80374	1.22519	3.55411
4.52942	-4.21808	5.01834	3.2157	1.93118	5.06061	1.28244	2.18866	7.20877	0.730164
4.95032	1.40637	0.522217	3.60568	0.364014	-1.14578	1.33322	5.22305	5.70224	-2.84106
5.83414	1.19638	-0.1955	0.167603	4.23068	3.46454	3.78723	3.47708	5.12991	0.668732
3.75455	2.16428	2.60703	2.41058	0.451508	2.44443	3.66129	5.21692	5.55789	3.052
3.82898	1.52261	1.08289	4.38055	2.77985	2.90399	2.43619	0.406342	1.59613	-0.14255
0.213409	2.07571	2.29935	2.97943	1.82565	1.52713	2.67969	3.93909	2.21744	2.22073
1.48123	2.34265	1.34213	1.75906	2.43503	3.59753	4.21484	3.74954	6.88855	4.56039
3.21353	5.26486	2.22159	2.34677	4.4671	0.53244	2.8811	5.29691	4.49805	3.54459
3.24792	2.03107	2.54977	1.91953	1.99466	1.47009	1.73129	5.01422	2.78473	0.124054
2.7377	0.503326	2.14029	0.373474	1.22787	-0.22345	0.237732	1.94296	4.91986	3.92218
5.13171	1.91226	3.82571	4.05273	0.215149	2.54395	-1.25732	2.73752	4.92899	3.73871
3.38739	2.88257	1.14026	6.05252	0.975037	2.46732	3.19415	3.83096	6.6637	4.82169
2.65671	6.81232	4.39703	5.4368	6.79276	5.43811	0.450623	6.05878	2.78128	4.15097
6.68802	2.89316	3.75122	-9.21E-02	2.72952	1.38901	4.56021	8.47665	3.03452	3.22055
5.79303	2.47418	1.31522	-0.8157	3.95108	0.205139	4.24191	4.70605	4.7099	3.00912
4.56186	0.604553	8.09E-02	1.9675	5.1738	1.11871	3.33429	1.35071	2.776	1.20599
2.03619	2.19241	2.1207	0.305939	5.07693	1.16132	2.07626	1.96722	7.22574	2.45905
3.009	3.74832	0.415466	1.89102	6.46237	0.231628	0.494598	3.18848	5.51053	3.08383
0.41272	4.56955	2.36435	1.62207	5.40723	1.26202	1.84912	3.95294	5.71945	2.5647
0.324432	5.69205	1.06189	4.30698	8.01779	4.53815	2.56369	3.15302	5.76575	4.52859
2.67905	0.779449	1.5528	-0.11636	7.13058	0.125092	3.8743	4.79501	1.07272	3.07864

1.90771	1.03165	-1.41422	3.01309	7.3252	1.97443	3.61542	5.05264	1.42966	3.76758
1.004	-5.30E-02	3.47061	5.49265	4.26486	1.39993	1.06238	3.08472	0.786987	-0.99558
1.64719	3.86096	0.354462	4.28952	5.90155	3.1788	3.89246	8.36945	5.92542	1.69739
2.65991	5.87003	1.59494	-2.43402	5.12546	4.97113	5.16653	2.72318	4.50806	-3.59155
3.4151	4.39597	1.47495	7.46689	0.61084	3.04782	6.21442	4.87775	5.35504	3.86145
6.20804	3.42938	-1.00879	1.18011	3.34927	1.97314	1.44263	4.85886	8.75851	-3.32397
2.69543	-0.53284	0.205231	5.53268	4.8287	0.241028	3.34528	2.32971	7.45331	1.76828
-0.52982	4.0939	2.7114	1.35675	5.92493	1.41901	2.05328	1.73224	3.01172	0.699066
2.21082	2.2648	1.08456	4.84802	5.71198	3.23843	4.52841	4.03677	2.56104	-0.24078
2.03214	2.80338	1.92856	2.25519	3.01105	1.30435	4.66373	4.14774	5.24945	1.56122
2.29584	1.56064	2.88678	2.74536	3.46548	1.15436	3.0015	4.14999	6.16193	1.68979
-0.58768	0.709564	0.772095	5.09433	7.81488	0.548492	2.98358	4.04712	6.8045	3.78595
1.82742	-5.21E-02	3.83289	2.70398	6.53329	-5.80E-04	1.18933	5.16937	2.48526	3.43637
2.56271	3.05707	-0.7085	2.28903	4.15146	0.509216	3.58887	3.40912	5.00366	1.76602
4.56839	4.19366	0.478271	2.8674	7.16245	-1.0343	1.39948	3.00314	4.2066	5.19641
3.45932	3.83981	0.71344	1.74167	9.27817	1.34683	3.44553	4.78595	5.81577	2.70255
-3.81909	2.16498	1.57812	3.45859	7.77124	3.03522	4.94681	3.95184	2.34943	4.21133
-1.45667	2.79507	4.2507	1.3559	4.56757	4.00586	2.73773	8.11508	6.75812	3.6506
0.15564	1.47806	1.75272	2.9646	4.88269	3.12222	3.42767	4.74341	6.54449	2.6127
4.27341	0.503998	2.1886	4.44705	1.75623	0.328705	1.89398	4.83154	6.14581	1.89505
2.4332	0.277924	1.18826	4.59631	4.24738	1.67606	2.40909	4.20297	8.05634	2.01001
0.965546	4.95676	1.32544	3.15579	5.08435	-2.78E-02	0.233246	4.69724	4.42255	1.46759
2.29803	0.831238	0.462097	2.27576	5.6152	2.28616	2.9584	6.3548	3.84305	3.0611
1.48004	2.46524	0.641083	6.04324	3.81296	-2.00952	-0.46613	6.30173	5.30722	2.00204
0.718201	2.43915	3.43738	4.1702	5.2894	1.19113	0.172913	5.35886	4.54346	7.09958
1.5838	1.77798	3.5878	2.91043	4.19556	1.52133	2.53049	0.576935	5.95386	2.29651
2.71887	2.75555	1.07236	4.33722	5.42685	2.74301	5.29446	2.44025	5.3396	3.8288
-0.70508	6.42813	1.57373	4.11249	6.90207	-1.74689	4.51044	4.94177	0.309875	0.916748
1.8443	1.70346	2.56012	7.47137	5.86914	1.82852	1.77319	3.37805	3.66833	4.10574
5.47104	2.68088	-2.1655	3.48459	2.97098	-0.66705	2.97842	4.58517	5.05612	4.70911
3.75824	0.912567	3.14981	4.06219	1.54199	-0.33807	2.59018	1.38181	3.1691	-2.65952
2.6698	1.6488	2.43051	2.49387	4.55984	-0.4184	3.26266	3.81784	2.84134	3.38577
2.98672	2.6582	3.53195	2.44702	5.99307	1.06125	4.00589	2.27438	3.20453	2.33472
2.37064	2.26266	2.72684	3.00436	8.19016	0.623444	1.57452	3.67813	3.38174	2.9198
1.20364	3.42316	1.85089	6.45596	4.6557	1.81546	3.08398	4.64392	3.14944	3.05078
1.22055	3.49606	2.95679	4.92603	5.06656	0.261566	1.99649	1.64621	4.98892	3.15515
0.383301	0.448029	0.813568	0.748779	4.3201	2.71164	0.298126	2.01065	3.69626	5.05267
3.17841	2.65198	3.74481	2.37204	1.47287	0.685028	2.34216	2.21442	0.306976	2.22324
-1.38531	2.98767	1.39645	4.20651	0.799927	2.60712	4.18326	-0.23294	4.93671	0.733002
3.81512	3.50464	2.60724	1.39807	-0.69812	4.28473	2.50012	1.44366	7.70737	5.18695
-0.51749	2.75287	1.96054	4.63858	3.42072	4.18271	3.17599	1.90714	3.27371	4.06113
3.67294	2.38678	1.0195	5.35681	-1.69083	2.14154	4.16461	2.21848	5.80212	2.37073
3.39175	0.654175	-0.34567	4.91309	5.96091	2.84711	1.03528	3.33771	3.9715	-0.42722
1.10709	4.43619	3.18369	3.08456	3.01282	2.19492	0.70929	-0.45706	3.43701	1.07285
1.81372	1.62402	2.59616	3.44711	6.25015	2.58835	2.92871	1.08777	4.94153	-0.80719
4.43665	2.50055	1.88635	1.92978	4.84833	3.54623	2.02863	2.81384	5.75864	1.5802
1.08066	6.58514	1.80249	2.68756	4.69278	2.58707	2.36121	3.74512	3.11255	2.02649

2.43094	3.93036	-0.49161	3.69644	7.05579	2.61249	2.93518	4.16693	2.27713	2.74353
2.34042	3.40182	-1.04224	2.03027	5.155	5.94675	1.05063	5.63156	1.46536	3.25497
0.828522	1.00818	2.81271	-2.68695	2.18414	-0.22308	0.278564	5.71555	0.670471	-0.26428
1.5629	6.93835	0.243866	0.646515	6.46054	1.40771	2.11807	3.94226	3.51001	3.89551
1.35703	7.75052	6.63464	0.754181	5.71478	0.845612	2.79172	8.98117	2.25598	2.32687
0.308411	3.06287	1.78104	3.39517	8.61453	3.76492	1.47052	2.50955	0.542419	8.57205
0.253632	5.51608	4.901	1.8093	3.97217	1.99316	-1.14417	-0.76172	2.05582	6.25183
-2.88275	4.74475	3.6188	0.524902	3.68372	4.00311	1.14859	3.92313	2.41019	3.10468
-0.22769	2.47229	5.88E-02	0.391846	2.47464	1.6925	2.20447	3.39874	3.79672	5.97134
0.938202	2.0321	3.48126	0.534424	3.61456	2.38455	2.2059	3.08206	6.61023	4.52533
2.90775	1.78818	0.36673	1.52808	7.31824	0.87793	0.941437	2.90524	4.85144	4.5791
2.76053	2.02335	1.08487	2.30887	7.5896	2.46194	1.55908	3.10229	2.96454	4.0047
2.59622	4.12537	3.07089	5.23264	7.12988	2.32468	2.90E-02	3.96872	3.5563	1.51953
2.19632	4.13785	3.22928	4.33047	2.61658	1.60913	0.179413	3.40524	4.48526	1.82678
4.78421	2.11658	4.5759	1.51953	3.57196	3.12552	-8.94E-02	6.55774	3.31067	3.00592
3.47189	2.24475	-1.80054	3.8125	7.14374	3.2554	0.322266	4.03714	3.89001	4.36179
4.47662	7.81122	4.28064	1.2074	4.21967	4.69293	3.88663	4.53107	0.956879	-2.15063
2.233	6.92856	1.24634	3.60977	6.01212	2.04492	3.07562	2.54764	4.85391	6.35794
5.35065	2.38217	3.1167	3.81851	1.06396	3.56155	3.86343	0.460358	4.67212	5.48541
4.98306	3.23096	1.41422	0.811584	3.60101	2.34131	3.05707	4.33771	2.64819	5.34558
1.70468	-0.32709	2.4957	4.05194	3.53662	1.15881	2.15549	2.77213	3.75192	6.16495
1.19031	3.82162	3.43137	2.83893	6.90167	5.79974	1.39871	3.68137	2.49713	6.30942
3.25223	4.50607	3.59973	4.54639	5.56683	5.66315	3.74713	3.56775	2.93243	4.12521
2.77585	3.18414	3.32828	3.11267	6.43069	7.15936	1.1571	3.84509	6.52933	4.24399
2.44873	1.37335	2.60458	7.11774	8.74078	5.08926	2.2814	4.43372	3.5856	2.55994
2.15143	2.39633	2.54916	3.20367	5.11697	2.70264	2.83252	4.28885	4.79926	3.60898
1.1297	3.87646	0.418213	4.07574	7.22015	2.73712	1.64987	3.09464	6.52258	4.16052
3.95428	5.68387	1.74756	3.96442	5.18573	2.76529	-5.95E-03	6.13165	5.86969	3.26929
-1.03488	3.76251	4.69952	6.52618	5.57056	-0.41058	-5.88297	5.81528	3.83438	0.30246
2.40E-02	7.37036	2.82532	2.61847	6.11353	-3.98599	1.25571	5.19824	4.04602	5.68863
7.43695	3.17239	0.513	2.65811	3.46457	1.03366	2.38132	1.91507	5.121	6.27933
4.18484	-0.91364	4.2337	3.3255	2.9827	1.92972	2.86298	4.91611	2.30438	4.94028
1.98511	1.159	4.42371	1.65625	3.28833	1.18719	1.43079	1.33963	2.39532	5.16437
2.7623	1.21252	3.83246	3.48163	4.88788	2.01483	0.938812	3.01389	4.21133	4.92841
3.52344	5.71597	2.89874	1.34097	6.06693	2.36203	0.381622	1.56134	5.92664	4.9838
1.37024	1.87006	1.94608	3.45328	7.46381	1.80756	2.77509	4.15302	1.69104	4.40338
5.01962	0.996552	-0.13211	4.10593	7.53159	4.93927	2.39508	5.60272	4.73093	6.72974
2.4317	1.47794	2.28439	1.59988	6.62628	4.21143	-0.12219	3.13556	4.73175	7.30237
2.56561	1.53836	2.32001	0.796234	1.82535	3.08902	2.36319	1.80194	2.71106	0.908417
3.53439	2.41995	3.40866	5.7785	6.02032	0.389618	1.24536	4.22726	2.19519	1.13089
4.07483	-3.80E-02	5.58932	2.29089	8.12958	2.85071	4.59973	4.37247	7.37598	0.900757
4.16922	3.49496	1.87543	2.04929	8.97473	3.82202	1.54462	6.66345	5.84402	2.56424
2.42465	3.96179	1.23911	2.76889	2.39337	2.83954	1.72061	5.44296	7.38632	-0.61148
0.638245	4.20297	1.26071	1.54459	4.52112	3.60321	1.35059	4.92941	5.94861	-0.29312
1.40228	3.02039	0.732483	2.34604	5.63812	1.91629	1.16159	1.58655	5.33124	1.02066
0.233704	2.3024	2.50726	1.70892	3.92807	-2.71E-02	4.17651	2.48257	4.53113	3.51123
3.56564	2.67737	3.54886	1.38586	3.36783	0.955933	1.86932	2.72556	4.15955	4.18939

0.484558	2.06174	2.64798	2.25168	3.7814	-0.16473	1.46368	3.06689	5.13605	4.32358
2.55774	5.94E-02	5.73178	3.79663	9.30038	1.02658	3.78418	6.59271	1.51801	5.73505
1.3251	1.44095	1.59637	2.3638	4.67398	3.47684	2.62283	6.27585	5.71725	8.37387
2.01151	2.30087	2.4039	4.26913	7.12646	3.09503	2.12689	5.43704	3.60468	2.05783
3.78528	3.78445	6.42346	5.47241	5.15604	4.35699	0.307861	4.47946	5.59851	1.91461
5.70862	6.48804	3.52823	2.41989	3.25375	4.86221	3.13693	3.79916	6.92847	5.09406
1.50232	5.29648	3.60242	-0.11444	3.85474	4.83542	-0.72238	6.14694	-2.66946	-2.44287
5.76505	2.89069	1.15121	1.3219	1.51486	4.11417	1.01013	2.04358	1.9697	-4.60367
2.41104	2.12488	1.67502	3.0726	4.95401	3.20734	1.17499	3.57101	7.01251	2.8887
2.2757	3.40701	4.4054	-0.51346	5.69922	2.57251	1.84607	4.48654	6.67001	5.56454
2.73682	3.1196	1.88547	1.43042	4.00317	1.02463	1.82861	4.75327	5.77472	4.64941
1.74112	3.86575	2.62256	2.48618	4.76083	0.138336	2.87793	3.68155	3.33536	3.13681
4.30273	4.15665	-0.67142	3.47766	8.27798	3.93805	2.4827	5.14032	4.97583	3.0582
2.54272	4.88425	3.67917	2.55453	7.67868	2.20178	2.62979	4.53214	0.392822	3.21976
5.07712	2.77963	1.94287	-0.21091	7.70139	1.44434	1.61304	4.30057	2.60126	1.02838
2.74911	2.86658	1.81891	2.22333	6.46014	3.33743	1.65228	5.31784	5.97238	1.20932
4.82367	1.99295	-0.53516	3.5415	3.43723	5.06091	3.17728	6.22214	7.633	3.05911
6.80273	3.96323	4.46393	5.87097	-1.77844	6.07361	2.80743	2.59186	9.16058	1.40085
4.4032	5.74228	1.03543	0.646881	3.54474	2.42191	-1.66949	2.16034	3.13281	4.30893
2.69565	0.705078	2.05209	0.196289	8.15216	3.80896	1.51114	4.29678	6.93539	6.04413
1.41995	2.58636	3.3085	3.6586	3.2197	2.05902	4.18478	3.52502	6.10071	6.9765
1.67191	4.0159	4.52081	3.83395	3.92172	2.2543	2.48557	4.47495	7.73083	5.18436
4.66501	4.1694	4.35257	3.18863	2.92606	3.11914	2.28491	1.48987	6.83932	4.50241
4.41733	1.73676	2.07956	2.21307	5.93433	0.863037	1.94492	3.95773	4.23596	1.3201
2.08093	1.61633	2.81598	2.91696	6.24509	4.57025	2.1236	3.90552	4.97043	0.357086
3.04285	2.66385	4.24429	5.15063	9.10367	5.26669	2.97919	4.94241	5.31241	2.20874
0.384705	2.83664	2.86227	3.43329	5.85669	2.66504	0.805115	4.13077	5.60156	2.99878
2.81241	4.82318	1.93881	3.00534	2.88705	2.24472	2.99829	5.59384	3.85828	2.31351
0.823975	-0.41486	3.22314	1.9967	3.35223	3.95081	-0.50775	0.216156	2.26889	2.91141
4.01013	0.935028	3.96323	6.14987	11.9894	3.73062	4.09341	4.35486	3.66577	5.50067
3.86731	6.20746	1.53613	2.82889	5.66122	0.813324	4.03232	6.24353	-0.31366	5.78314
7.98865	4.93738	3.43552	0.455902	5.75858	3.93805	0.26181	3.44037	3.68091	5.50513
4.70645	0.455261	1.35852	3.99738	6.49429	2.65482	1.23627	3.62442	3.0249	3.6618
2.0304	4.08179	-0.84949	3.85776	6.20053	3.09052	1.84927	2.80695	5.68604	1.51645
2.65723	2.33951	0.67157	1.10953	7.49075	4.52725	1.9155	4.45847	5.45831	0.88562
1.71252	5.33337	3.41565	3.77228	3.85684	3.73883	2.30472	2.89676	2.21994	1.64349
-1.37567	2.98013	3.28818	3.46127	8.29288	4.54425	1.98648	4.04791	4.82245	2.94958
2.27283	3.48294	3.63858	4.72385	8.01938	3.81439	1.2598	4.93213	4.15112	1.44635
2.07581	2.00824	1.66959	4.73657	5.12579	2.09082	-0.41037	3.49335	3.50574	5.28238
1.49191	3.94037	2.23691	4.50134	3.79364	1.17233	3.28159	3.38602	2.54947	2.67953
-0.42581	7.41464	4.31067	1.3053	4.98004	1.88782	5.38116	3.29944	2.4863	0.714691
1.64594	5.07294	3.12842	1.46118	5.14108	0.136322	1.62772	2.96646	7.02136	2.02026
-3.68631	1.09836	5.58765	5.00146	6.23782	1.13831	2.47272	0.343445	4.27542	6.85425
4.55E-03	1.7995	4.88431	2.79041	2.77307	2.60477	3.45212	-0.72153	4.34991	2.91843
3.90604	4.70117	3.49463	4.48798	6.13251	0.560028	3.22208	5.9064	4.1142	4.04898
1.15799	0.477905	3.1723	1.81815	7.81824	3.15771	1.61838	2.27252	6.72021	0.115265
2.72702	1.63702	3.18427	3.46643	9.43018	3.07004	3.5148	1.67188	4.67532	0.901031

2.99512	2.23877	1.97025	3.74277	4.39444	0.986053	3.71823	3.51785	3.25266	1.25421
2.76926	4.22894	3.60269	5.10956	6.51218	4.30835	4.52161	4.5163	2.35873	2.6236
1.64304	3.64444	5.59637	6.88913	6.31247	2.70798	3.29538	4.31683	5.79932	3.80493
2.8356	1.31732	4.41727	3.13608	3.99908	4.03174	1.29453	2.58276	3.11725	3.74307
1.9035	2.59018	1.12201	2.85745	5.58456	1.86853	1.30377	4.24783	2.88397	4.69482
4.59399	5.09726	2.67157	-3.64E-02	7.64633	5.06381	4.35495	4.13254	8.7731	3.8735
6.76151	-1.58328	7.50854	3.75067	3.86038	4.73483	5.79172	0.217865	1.81906	2.53906
-0.69949	0.151367	2.92682	1.19019	7.06403	2.08542	3.32251	0.197845	4.98093	1.25763
3.86136	3.10797	2.75742	3.38461	3.79706	2.74335	3.49133	4.10648	4.89151	5.60812
2.27866	0.770966	7.05832	3.5401	3.93732	0.272522	1.32077	1.81183	4.0705	0.8078
3.68201	5.04651	5.99179	-0.93265	7.39102	1.8244	1.93677	1.77393	4.86703	1.88007
3.10971	3.9086	3.61755	2.00754	5.53656	1.42184	1.64178	3.90756	7.33722	-1.07339
1.43094	2.99545	3.55493	3.31467	8.40533	2.74393	0.620728	2.18506	6.72806	4.46109
1.30133	3.65344	2.56458	1.03876	5.11591	3.52075	2.95999	3.1478	5.18945	5.034
1.50262	4.21295	1.4567	-4.53E-02	5.28848	3.24887	3.42838	3.87973	5.32761	0.307556
3.28842	4.31552	1.00537	3.98657	4.64938	0.107849	3.47733	4.49207	2.13464	1.85657
2.41641	1.60138	2.11951	0.335846	4.73877	1.47614	1.76468	3.41232	2.09036	-0.49377
5.21698	4.30386	1.04166	0.718719	4.54373	-1.09201	1.18887	2.92236	4.7373	4.5267
9.57593	-4.98187	7.77832	-1.11911	6.00867	5.33691	2.68903	6.47726	7.70697	4.56555
9.03189	-3.61832	1.99222	1.94336	5.19821	4.3811	1.20862	4.17163	-1.50867	7.06573
8.08905	4.67838	1.14911	1.98679	-2.50204	4.26895	0.762024	2.89337	1.6846	4.86191
1.81445	2.60867	1.45532	3.9104	3.73502	4.03113	1.9968	4.95963	5.37579	4.14609
2.7662	3.27969	3.1265	4.99927	1.52322	2.17471	1.79309	3.03455	6.60321	2.32385
2.73611	4.25891	1.78485	3.69531	4.73456	3.41425	3.37161	3.88358	4.27042	2.43591
2.56104	3.77536	1.38025	6.47879	4.46564	4.56674	2.18942	4.13293	3.05563	4.97589
1.78275	4.68695	3.37558	5.94775	6.1842	3.19025	1.91528	6.44052	2.59085	3.56958
2.59634	4.52057	3.36179	0.831543	6.47958	3.62808	6.2352	4.76642	1.24823	3.01346
3.08932	1.73764	1.54767	2.27737	1.42978	3.70184	2.58072	3.05185	0.672058	3.60587
2.98331	1.58658	3.99371	2.78955	3.64044	4.34204	0.771973	5.45892	4.72958	1.79462
4.72809	0.410858	1.37146	6.8483	6.68903	4.21802	6.29507	6.44345	6.56702	3.51599
0.644806	5.00412	3.36502	5.46667	8.73456	3.33591	5.82733	7.49826	7.97076	1.40695
2.56741	5.13257	0.29364	-0.25693	6.74731	3.72092	5.84732	5.20914	4.19574	3.70483
3.38324	1.32639	3.51819	4.10211	2.94217	3.36014	4.53513	5.37338	0.440094	6.84003
0.856354	3.16235	3.69492	2.75458	1.8512	2.98633	1.62778	2.21021	3.55798	-2.172
1.34589	3.24261	2.94418	3.91226	5.27032	4.05331	2.39468	3.72702	3.80872	2.48535
0.628601	2.83871	3.72635	0.353119	4.75098	1.37253	3.43829	3.53488	9.11902	2.14182
1.90485	3.20105	4.11365	2.80197	4.87695	2.01093	4.73972	5.97375	5.75104	3.51511
2.62405	5.41135	2.4892	2.50497	4.34619	5.14206	2.01041	4.61142	3.78745	4.00717
1.71613	2.08237	2.84058	6.19534	7.37387	1.60739	5.46628	5.24442	3.30353	4.48135
5.03012	0.484741	2.56757	1.56079	6.9469	1.93713	5.89032	2.56564	3.63956	3.54407
4.83051	2.93988	3.6377	1.85483	5.61246	3.07904	0.857483	1.57874	3.71707	2.94482
1.87198	3.02505	3.94827	3.25192	2.02634	4.54071	4.18976	2.92456	5.7728	2.74741
1.68631	3.31012	3.26303	5.51437	3.31436	3.68112	10.0721	3.94656	5.49808	1.55807
3.07172	1.88486	0.946747	-0.63803	-0.19626	-1.71249	6.173	1.21265	7.56824	3.20316
3.72754	2.61758	2.52451	0.422913	-8.16E-02	1.71387	1.82141	0.439972	2.931	1.22412
1.47995	6.46506	2.4194	5.5376	1.42209	-1.17767	-1.26562	1.8298	3.83731	2.1575
2.44919	2.6998	2.12909	3.17017	3.80093	2.22241	2.38168	4.08273	3.28293	4.97586

1.90891	1.8891	2.75665	-0.67337	6.09848	2.98355	2.1788	4.24927	5.38342	1.61862
5.29633	3.89517	0.776947	1.10257	4.91373	2.98785	3.13812	3.27493	3.65283	0.736694
3.98584	5.37994	1.87238	2.81708	4.26169	1.17087	3.93399	5.48282	2.24075	3.974
1.15884	2.86966	0.194183	2.48383	7.13568	3.67917	2.961	3.23413	5.72583	3.79214
1.95963	2.44864	4.25858	4.72549	8.18408	2.09473	1.91052	4.14917	4.01804	3.97986
3.22	3.65698	4.6348	4.21814	2.83984	0.296844	1.45306	6.10974	6.37677	1.96643
3.02E-02	4.02286	3.63937	-0.47791	8.96252	4.46899	0.943878	4.22415	3.3161	3.77191
7.01462	1.08142	3.92853	4.02869	4.27667	6.14053	0.759033	5.81375	7.74628	6.76877
2.72342	0.867157	3.05E-02	3.27307	7.15121	3.74152	-0.64578	6.74063	8.27832	4.54404
4.89246	-3.1409	1.33942	2.9942	5.06537	3.41205	4.17581	3.48526	5.8046	5.00671
2.95135	1.83447	2.5838	4.96078	5.4924	0.447021	2.26379	1.72043	3.40799	2.07349
2.1488	3.32101	1.90161	3.92856	5.40054	3.5195	2.35968	1.25354	2.74423	2.53165
3.409	0.491302	2.82495	5.46951	9.33786	2.82034	2.9841	2.06918	2.74902	1.28101
2.91293	3.69318	1.89874	4.38699	8.59354	2.54593	1.57343	3.48856	3.00345	1.55582
2.11084	2.14554	1.23709	6.48245	6.64218	4.97305	3.1676	3.8558	2.75085	2.90439
2.22025	0.485168	0.777679	3.48022	4.77896	6.22198	3.6962	4.19202	3.96332	2.15366
2.44492	1.83392	2.93378	2.76779	5.92508	2.65472	1.75641	4.90555	3.31445	3.98315
2.80652	4.41379	3.61938	1.30145	5.59317	1.29532	3.35217	4.15442	1.26517	0.853333
3.94949	4.59564	2.85507	-1.98508	5.39795	-0.71869	4.04596	7.24026	5.21631	4.3132
-3.06967	3.91461	4.43274	-1.0975	2.98068	2.35431	6.38193	4.04456	1.92148	4.49915
1.67142	-0.32944	2.53342	1.39047	3.93863	1.63162	3.7518	2.42496	3.91562	4.98373
4.09204	2.90997	3.57751	2.67761	2.47375	1.69955	3.23941	5.87848	3.50592	5.45731
-0.14014	4.70557	2.46201	1.05978	4.6665	3.44003	2.14969	2.34222	2.39938	3.77069
1.4809	4.5842	3.33719	3.83304	3.59882	0.988495	1.22067	5.45435	4.43393	0.375061
5.43231	6.07812	2.20917	2.13712	5.54758	8.94E-03	2.31079	5.37387	5.98251	1.05042
3.63654	3.10938	2.22845	1.59439	4.22464	1.70255	3.06372	4.19226	6.96185	4.25281
1.31024	3.58966	4.90857	2.30887	5.38	2.79355	2.50958	5.58569	1.51813	4.82419
1.65265	1.18295	4.18417	5.35333	4.97198	4.99469	1.6756	6.96002	5.73132	4.87033
-1.18359	4.95963	2.62018	3.57639	6.83878	3.13675	1.97061	5.70587	6.33545	-0.32272
2.7569	4.15347	3.01291	2.83585	1.74686	3.44543	1.07669	2.84204	3.27307	6.52502
4.22409	-2.05035	3.28696	4.54691	7.43314	3.017	0.56076	1.92175	4.0014	4.54419
5.83472	-1.53378	5.31863	2.94998	4.44238	5.04803	6.37152	0.568878	5.71198	0.698059
8.17682	0.565765	4.59372	7.69696	1.56412	4.78372	5.26361	1.20605	5.82132	2.76895
8.90546	6.1261	3.68622	2.26089	5.37146	3.89706	4.19012	7.08786	5.10342	1.94562
3.61993	-6.68E-02	0.887604	3.11407	4.02802	3.12131	2.53818	7.22083	3.81879	1.53098
3.97488	0.583191	2.2515	9.42E-02	2.52652	3.8783	2.49777	4.42084	4.36511	4.82095
3.4115	1.95682	4.69656	2.24564	5.81906	3.43423	1.71069	5.71149	5.96051	4.3959
2.08484	3.73148	4.32675	2.58398	8.82364	4.62915	2.86612	3.32996	3.74493	3.49341
2.47305	4.85434	1.73538	1.74255	7.35858	1.29324	3.25919	7.62109	5.26334	5.81927
3.64255	4.14127	4.52878	3.65833	8.11856	4.58096	2.8407	5.63501	4.70871	1.59595
1.09122	3.32114	1.95007	4.96759	8.24237	-0.32468	1.27213	4.86514	5.82596	3.29E-02
4.16409	2.45648	4.87671	3.66214	1.82596	3.51352	3.03317	6.80203	7.57837	2.08572
5.47787	3.92114	4.32126	0.682312	1.34113	3.89111	1.13147	-1.04846	7.2861	1.83041
4.57233	-2.62738	2.59592	7.87E-03	5.98688	0.831116	4.15262	3.91428	6.17868	6.59E-02
5.1843	-0.47913	0.632019	3.57596	9.42111	1.43182	4.33301	2.08E-02	6.72842	4.52054
7.66245	1.16229	3.58292	2.7522	5.08676	2.32376	1.17612	3.61047	5.785	4.59882
4.21255	2.24048	1.22791	1.27698	3.23141	3.17181	2.77719	5.18851	2.17911	0.672394

0.373901	2.2175	2.1716	0.977753	3.55563	2.78571	1.59787	5.64603	6.86023	0.85965
2.85181	3.02322	2.84186	1.07812	4.96048	1.15604	2.0834	3.40698	4.14081	-1.86728
-0.13016	3.37708	2.24994	3.64859	5.24673	2.53085	2.72183	4.13724	5.93634	6.07E-02
1.26025	3.56046	1.03049	3.06247	6.88419	1.54575	3.07291	3.0329	2.07404	2.04428
3.06924	4.34195	1.60608	5.21454	6.28409	1.29507	0.795074	6.02621	1.02643	6.64536
3.66711	3.84964	2.64029	1.1279	7.08438	3.13184	3.54831	2.66895	1.59644	7.78598
1.88229	4.30777	3.24759	4.32303	4.72415	3.99304	1.57657	3.97302	3.07318	0.300018
0.433197	4.59515	2.82355	2.87891	4.51093	1.84619	6.28168	5.37265	0.4216	-2.57541
0.295319	6.67792	1.73242	3.68958	-1.41E-02	5.33923	2.82333	4.09937	3.26706	0.758453
5.34372	7.00226	1.20102	0.972961	3.33524	2.22882	3.54642	8.37573	4.14383	2.50195
6.80014	3.91418	1.54309	-1.07251	2.51517	3.03925	-2.20377	4.46075	3.31842	0.380524
2.72485	4.45547	0.979004	2.4436	4.3237	3.10782	-0.98053	3.5072	3.9267	1.59378
1.57239	4.02081	2.79221	0.281647	2.44403	1.6152	2.22726	6.04575	2.43643	3.04257
3.45941	1.8642	2.07745	2.74121	3.92218	2.34164	0.666809	4.70706	5.25143	1.80701
1.81674	2.32327	2.17755	1.54999	4.72873	1.00604	3.26102	4.85596	3.57376	0.697906
1.69E-02	5.86465	2.2923	4.97928	6.06708	1.84976	5.61829	5.4165	4.08633	2.3783
1.87234	2.76434	2.34909	0.930939	7.96558	3.34518	5.10287	4.41061	5.6369	4.14664
1.72031	4.72314	4.66077	0.677399	4.5842	0.410522	3.75833	5.45325	7.29385	5.17535
1.2757	1.71277	2.9212	2.38135	6.74594	1.85162	2.43509	5.00903	3.85696	2.68582
4.76767	1.21765	4.51077	0.110718	7.27423	2.64432	2.17786	4.84564	1.22229	2.61389
6.30133	5.05542	3.38373	3.50928	3.87067	4.37552	6.60532	1.87726	4.58038	4.46817
5.11591	5.40927	2.28394	-1.62592	6.49551	3.3186	8.32971	4.61053	2.48242	1.91315
3.36176	4.52609	0.568604	3.1673	1.31378	1.68835	6.01892	2.09946	3.6178	7.69E-02
2.43134	1.49365	5.09991	3.22638	2.3833	0.729523	4.74637	4.02621	5.69171	3.69
1.9715	3.6088	1.944	3.28156	3.59302	1.9689	5.56866	4.03842	5.38501	6.19366
1.64902	2.0701	1.22705	2.33502	6.88165	-0.50845	3.79251	5.17578	4.43622	5.62073
1.89624	5.39728	3.91614	3.22009	5.95563	0.371735	5.04684	5.51083	2.14114	4.44769
2.24625	3.24155	4.32269	1.59036	5.79041	3.02435	4.88889	5.276	3.25394	3.267
2.32812	3.16034	3.14029	5.16812	5.66217	2.46558	1.40518	4.76031	5.44711	3.73944
4.00931	2.26962	4.06088	3.8111	5.64828	1.81885	2.07053	4.51855	3.79074	-0.47952
1.07941	2.37619	3.24719	0.679352	6.11044	1.53964	2.06308	2.70572	2.78128	5.43851
-1.44733	2.80966	3.78696	0.678894	4.92892	4.85071	1.25546	6.91806	6.4823	5.67261
3.26663	6.20154	2.46774	1.07108	11.7039	5.35461	3.56671	4.20447	6.33078	2.20355
2.61902	4.34927	1.36703	5.09937	9.93463	2.25421	2.457	4.06503	1.34964	1.28003
2.53293	2.27609	3.5614	3.50009	4.23526	3.42944	4.32544	0.60376	5.23352	5.85913
2.39694	0.317963	5.63733	3.0452	5.11389	2.68213	2.16708	3.34781	5.20E-02	3.05539
4.91779	1.03159	1.71811	1.74234	3.88934	1.3334	3.40918	1.36264	4.14041	1.18436
2.315	2.48331	1.57367	2.50491	3.22577	3.71765	2.0441	2.45297	5.86612	-0.49048
1.92444	3.25867	3.89334	1.72479	5.73233	4.25223	2.39612	3.70325	3.81775	3.27731
2.66364	0.737244	1.3519	3.17407	7.8537	-0.10275	4.4368	3.84921	5.41913	2.431
4.01004	1.33905	1.65817	1.84653	7.39017	3.01669	3.83078	3.66202	4.66531	5.51624
4.36401	1.30023	1.18887	1.91397	5.67819	2.25235	1.29922	5.04504	4.39484	1.79086
2.12122	2.85257	1.41339	4.07263	5.50055	-0.83167	0.751587	1.46753	4.46567	2.29712
4.29507	2.01935	2.49066	6.32681	3.41943	4.022	5.94498	6.07184	7.81799	3.3093
5.93561	3.74661	3.20572	2.91928	4.19257	3.31793	2.81381	6.52655	11.3312	-4.86185
9.7709	-2.44162	3.46582	3.30478	3.29681	1.3298	3.77271	4.57935	4.17514	2.77216
7.75143	2.87689	1.436	2.50299	0.749878	0.821747	2.69751	2.98376	0.446808	5.25742

3.61496	0.546173	5.53833	4.75818	4.4827	1.22531	1.36798	1.7514	0.936005	3.0502
2.38559	3.20529	2.34338	2.43454	5.21713	2.2363	0.603485	2.41772	5.52054	2.65054
4.2211	2.46152	1.17767	3.09561	5.28006	0.268829	2.10501	4.41748	8.73822	0.865326
1.07132	3.21738	1.66086	3.74918	4.84705	3.79593	3.80304	4.38113	5.41974	3.711
1.10886	3.35114	8.59E-02	5.12997	6.6907	1.30624	3.3295	4.01242	3.89194	3.9964
1.50925	4.62216	3.16537	2.89273	7.80206	1.77307	0.8797	2.33713	5.72852	4.49185
3.00562	2.45193	1.67358	2.45599	6.56458	1.23334	3.05582	7.81305	4.62946	0.880859
1.862	2.19727	2.867	2.62155	5.81494	2.30692	3.26349	2.94193	1.95679	1.29993
-1.58493	7.28177	1.90335	2.3703	0.443451	0.560608	2.04376	5.17487	5.79041	5.04041
2.53552	4.61221	0.688721	1.55658	5.43707	4.99854	5.64954	4.94608	6.28717	-1.95154
4.94852	1.49637	1.83572	3.88327	1.84894	3.18802	1.2847	0.641052	1.66882	3.03534
5.44333	0.996674	1.2655	1.80869	3.49127	4.07736	1.68213	3.89478	2.8949	4.26682
3.93924	-1.67993	2.40903	4.3075	1.64999	2.07993	3.29489	3.84232	0.507782	2.4245
2.556	3.12451	1.6532	5.14896	4.60614	1.38089	1.99207	1.82553	3.41513	5.45276
1.36172	2.453	4.23346	4.35004	6.04898	2.57733	2.0723	4.60709	5.19241	2.22812
2.91864	2.69788	2.35553	3.73148	6.64285	2.37125	3.18512	4.79126	3.88684	0.34259
2.07364	3.54526	3.2634	4.75436	6.64188	2.94147	4.4119	5.24591	2.60413	1.34378
3.48312	2.63367	4.32877	4.19162	6.01807	2.71606	2.51968	4.99612	2.81381	-0.88705
4.5451	3.46985	2.91946	2.75888	6.72839	2.52072	2.11304	6.65125	2.74115	1.00897
2.6438	5.53589	0.957886	2.66165	5.96475	2.52972	2.27237	2.54794	2.44406	1.86093
0.444183	-2.39883	0.743347	5.49762	3.29202	3.7326	3.53537	4.36166	3.52371	3.06631
6.80051	3.65793	5.25473	0.167572	4.44086	0.982208	3.77542	10.2602	7.11496	4.33685
4.41711	3.14828	6.47894	2.98447	1.87363	1.3829	4.44882	7.59253	4.03784	5.18185
2.88995	-0.17691	2.75031	-1.84631	2.63046	3.78345	3.99823	-4.21E-02	3.1803	4.02081
2.26096	3.22607	0.339905	2.2442	2.14612	3.27563	1.66928	4.95282	5.7561	3.03149
4.43509	4.77371	3.582	-1.29074	4.11923	3.1716	1.05167	2.45813	7.38544	2.74997
3.34192	3.54111	3.62735	4.92712	4.46527	2.77335	3.23831	3.94656	2.50754	3.61673
1.53442	3.90616	3.35965	3.23517	3.32703	1.05063	1.81754	5.63376	0.24704	4.07111
0.478333	4.11554	1.44299	2.78955	5.42398	0.815155	0.640381	5.5795	4.14334	2.93729
2.23615	3.57465	1.63089	3.45074	7.16779	3.20016	3.24268	6.83841	0.798218	5.45096
1.272	0.427032	0.23407	2.4263	4.32578	5.04742	1.52151	3.66507	5.27676	6.55865
4.07312	-0.58633	4.04761	2.01324	4.37875	1.68954	3.40149	5.50214	4.89206	1.93134
5.10999	1.54626	0.143372	2.2338	4.12393	3.3736	2.61386	3.01556	2.42801	-1.05701
-1.62717	-1.29666	2.59543	1.94009	10.2926	3.11823	3.18253	5.66266	3.90646	0.808746
7.7998	3.15009	3.67453	3.54529	6.61603	0.586517	7.1702	4.12503	1.66373	6.57404
3.16055	2.44318	0.444305	0.770294	2.86307	0.89856	3.36972	6.81836	2.43362	4.65671
0.61026	0.510254	2.88483	2.8992	3.5701	1.10022	0.84079	1.76562	4.15689	4.46228
0.269287	2.19849	1.69888	2.40546	5.72064	1.75461	2.60669	3.33295	7.76102	0.562164
1.20853	3.55261	1.79837	2.25851	5.14865	4.17245	2.5267	4.17407	7.07812	3.22321
2.09912	4.42697	2.58453	3.45239	4.20853	3.30045	2.11554	4.72406	3.09415	6.49649
1.37134	4.47354	1.8176	1.81607	7.4418	1.04504	4.7709	6.60269	2.12653	5.20148
2.78235	4.15137	3.11087	8.21124	10.1003	1.41367	4.62189	7.53043	3.96652	1.49713
1.42001	0.770844	4.14417	2.67688	7.38037	4.32922	-1.42459	5.86136	0.679047	1.20688
1.1481	-0.25113	5.2742	3.51025	7.43234	-0.55167	2.20218	3.91135	4.94818	3.44693
4.66959	5.76447	-1.28455	3.76379	7.07294	2.2475	2.91705	3.83514	3.35559	4.6427
5.06903	2.14374	1.41162	2.82748	8.19125	4.83743	3.15002	-1.64673	4.85626	4.11627
6.87939	0.465668	0.364319	7.75217	8.44614	-1.50928	3.1972	2.36014	6.16074	5.55765

3.82996	0.698395	-1.74829	3.56241	8.98926	1.97797	3.41223	2.63968	4.4621	1.38092
6.06955	2.49106	1.01791	2.47498	6.35541	2.28033	2.82498	8.00223	4.94238	2.10287
1.7702	1.87701	4.00809	1.09155	5.05612	1.7767	1.59787	4.12622	4.77472	3.33377
2.88052	1.7374	2.24197	2.94394	8.54086	1.90973	1.5054	5.73248	2.98624	4.5303
4.70193	2.43057	0.837158	3.10837	5.31415	2.16525	2.31683	2.87384	4.52673	2.68719
6.31104	3.14166	2.6861	1.28305	7.5097	3.65375	3.7438	3.12921	5.34402	1.60147
0.926849	2.40454	2.67508	0.204926	7.60086	2.03888	4.6785	6.05203	6.58823	0.497253
1.75201	3.51852	4.42728	0.992584	7.75818	3.15555	2.67731	4.20026	3.32806	2.75375
0.837616	1.95148	2.37341	1.27963	7.11197	1.75012	2.33746	4.96664	4.96228	2.83731
-1.07071	0.816345	1.77356	4.0155	7.18103	1.0361	4.99216	5.02255	7.02209	4.6749
6.25613	3.85782	5.63544	4.56628	5.22626	7.65671	5.63171	8.16815	3.14987	6.60287
-4.29E-02	3.50058	3.07584	-0.17444	8.25104	5.1723	2.26892	4.51276	0.261627	4.20215
6.47513	5.1319	4.0351	-0.2999	4.65637	0.219849	2.18533	2.67578	4.1066	5.42361
1.88254	3.02975	1.18253	4.79248	2.51831	0.471436	1.54099	3.64722	5.6062	3.5043
3.05319	2.24081	1.01709	2.52524	9.52603	1.65302	3.71979	4.31613	4.18121	3.30377
0.398499	3.49841	2.92886	0.165039	3.61948	1.38776	4.41849	3.46487	5.50082	0.37561
1.80045	3.09537	3.15384	3.02188	2.34863	1.79034	2.37433	3.14084	4.45584	2.08389
1.76935	1.51126	3.92749	1.40176	7.69629	4.91284	4.40588	5.09491	3.88333	3.19897
0.335541	2.43195	1.73499	4.69385	7.53339	2.44388	2.28589	4.79492	3.38361	-1.93866
1.53223	-0.33878	0.964386	0.89978	6.78909	1.92133	0.101929	8.38715	8.46964	1.29898
2.25162	3.98657	4.14609	4.32715	5.00714	-0.15808	1.95389	4.19702	4.01538	5.70413
0.583679	5.78006	2.96005	5.2623	6.35263	1.45212	5.19287	7.05536	6.62561	1.1962
-3.08679	5.09613	9.01822	-0.79471	10.1829	1.95551	-1.04437	6.67776	3.46436	-0.63095
2.3244	4.24127	5.99854	-1.27023	6.15182	0.148895	3.83292	2.98013	3.55463	5.34415
9.31946	6.24609	5.0546	3.0097	5.96255	1.14526	2.20212	1.41357	4.504	4.66763
3.00714	1.59897	2.92691	6.7879	5.42999	1.05493	3.19897	5.62613	3.5162	0.319183
3.67398	1.146	2.55859	3.26324	3.51373	2.62772	2.38058	3.55023	6.91382	2.27277
0.714722	2.31641	3.30725	3.12973	4.90237	5.56876	1.36249	5.96347	5.82013	-0.63019
0.378723	3.57718	1.66086	5.02527	7.06183	1.68634	2.81204	4.25143	3.54095	1.24631
0.989655	3.73956	1.51889	3.35156	6.5061	3.76285	0.604584	3.3024	4.63983	3.20517
0.267151	4.51324	1.90738	6.75455	6.05887	0.399567	4.71878	4.60764	3.58411	1.28375
3.82022	3.63013	1.87067	1.3418	7.42609	1.09424	4.29562	3.73196	0.360657	4.50427
1.2002	2.13528	4.3519	5.07236	3.61707	-5.98E-02	1.26318	5.28833	1.37949	4.37573
-1.79663	6.10315	2.57935	5.7291	5.24423	4.17581	1.52197	7.34076	5.19	5.88699
2.38431	1.10144	3.99832	4.19958	6.25977	0.733826	5.84921	6.39136	1.96298	4.02466
-0.59	5.25458	4.41452	4.55869	7.63562	-2.58588	2.51691	3.18423	3.41284	3.83893
5.31985	5.89157	2.8652	3.76401	4.48758	1.87827	3.63663	5.77637	4.16391	5.98972
8.90E-02	0.648651	4.7583	4.67969	6.68039	1.58313	0.940491	3.91553	3.24719	3.6452
0.938782	2.20071	3.0835	2.16104	4.29022	2.66962	1.61658	1.69342	5.06021	3.41815
3.7225	4.25241	3.90536	4.98471	5.96857	2.04395	4.1438	2.92807	2.95682	4.13281
1.92233	3.83206	3.30954	2.91589	4.96783	2.99225	4.44412	4.17154	4.33923	6.1387
3.31903	5.60635	2.91037	4.39636	9.34848	3.61386	5.05161	5.64511	4.91913	4.0954
4.82123	2.71115	6.29E-02	4.49902	9.10117	3.39139	3.40448	4.65842	3.36511	5.39124
1.47092	0.471741	1.43909	0.389679	7.75269	4.02744	2.94711	4.35394	6.00424	4.40048
1.43591	2.58649	3.9158	3.48566	6.13306	2.14053	-2.07294	3.54733	4.82828	-0.44937
4.08609	2.75357	1.34537	2.18301	4.91574	5.37592	0.330078	2.97946	3.91351	0.913605
7.06073	6.80783	5.97025	5.26129	6.33868	2.33121	-0.39719	3.68277	10.1466	4.24716

7.2417	6.61649	5.32864	0.96167	4.47934	0.544708	6.40012	3.04456	9.90161	2.47943
4.80576	3.37338	1.32571	3.64111	5.10406	-0.94434	1.19553	4.17917	5.9278	-0.68689
1.13763	1.70377	3.64423	3.1293	2.8302	2.58661	2.48358	2.74692	2.47308	1.27267
2.52078	1.51089	0.593811	4.56195	3.91034	1.8364	2.58347	5.31454	5.10153	0.835968
3.34302	1.81241	3.24536	1.84784	5.75595	2.90634	2.2135	4.11609	5.18863	1.84891
4.94992	3.94995	3.93256	3.84738	6.56253	3.39175	3.07852	5.10364	3.12283	3.4285
3.41675	3.45615	2.67047	6.00626	7.14139	5.18826	1.04129	6.48932	3.46994	3.79837
5.20663	4.74176	5.48117	5.52295	5.51187	2.03998	1.1868	3.95303	2.58252	5.65445
0.176514	4.13412	2.32999	4.7504	4.4621	3.59274	0.734924	2.94675	2.89325	2.44678
0.449097	0.659576	3.21259	3.65775	4.82697	-0.45148	2.23108	3.53214	2.98737	5.85413
4.51709	4.47266	1.79266	2.18332	6.75034	2.5137	2.33447	1.39615	8.11151	6.30881

28	29	30	31	32	33	34	35	36	37
MIROC6	MIROC-ES	MPI-ESM1	MPI-ESM1	MRI-ESM2	NESM3	NorESM2-	NorESM2-	UKESM1-0	NorESM2-
								r1i1p1f2	
-3.82452	-3.78622	-1.21164	5.07843	0.695892	-5.68146	0.306427	1.4581	2.33591	1.4581
-7.98544	-1.32141	3.10754	0.90036	-4.31335	-2.70367	7.65E-02	3.60129	4.42032	3.60129
-2.4715	-0.44919	5.52396	2.34567	1.0769	1.86591	3.7522	1.45444	-2.3042	1.45444
-0.13062	2.1297	0.693298	-0.58481	-3.15482	-0.56464	-1.79797	-1.54327	-0.61115	-1.54327
1.02438	-0.86084	-0.34512	-3.76132	0.228577	-0.86511	0.189911	1.561	-2.59302	1.561
-0.6546	0.426636	1.05954	-1.79312	-0.14145	0.901672	0.163727	1.68555	-2.85748	1.68555
-0.11902	0.125458	1.05069	-1.90909	-0.45435	0.584198	2.4697	1.09683	-0.83383	1.09683
-0.19418	0.797699	0.576477	-2.54449	0.320068	0.752045	-0.92221	-0.10028	0.708405	-0.10028
0.854309	0.780792	-0.75971	0.805145	0.904663	6.20215	-0.3028	-1.16995	-0.40677	-1.16995
1.35779	1.1795	0.102325	-0.79135	-1.66748	2.69244	-0.77377	-1.77792	-1.04312	-1.77792
-2.27094	1.84818	0.941101	0.998535	-0.6008	3.31339	0.522949	-0.63751	-9.29E-02	-0.63751
-2.15195	3.02383	1.53439	-1.90302	-1.79037	0.625275	2.43204	-2.60602	1.93283	-2.60602
-0.41702	0.779053	0.417053	-2.62509	-10.017	1.76505	2.04913	0.86319	3.43683	0.86319
-7.04874	-0.33121	-1.72717	-0.55835	0.100922	0.334839	-0.56018	2.8396	0.938507	2.8396
-3.9996	9.52E-02	-1.09027	2.26E-02	-2.75021	-2.6799	1.79688	-5.08527	6.14212	-5.08527
-1.44052	3.6637	-0.96851	-2.97092	-0.43271	-1.22702	-0.30689	-3.5679	0.760132	-3.5679
0.54599	1.05246	1.73898	-1.56363	-1.04031	-1.71182	0.86203	1.90848	-3.0625	1.90848
0.209717	0.838745	0.842957	-2.32922	-1.54575	0.629486	2.09274	0.318024	-2.21118	0.318024
0.92868	0.680878	-0.59403	-1.97748	-1.42773	-2.81E-02	0.932495	1.80841	-1.87253	1.80841
0.306824	1.40939	0.829254	-1.3779	-0.77213	-0.97617	1.76678	2.681	-0.1431	2.681
0.990814	-0.32498	-0.19983	-2.81848	-1.17096	-1.77704	-0.32819	-0.61664	0.438324	-0.61664
-1.13541	-1.12491	-0.40176	-4.96564	-1.66208	-3.02774	-0.54675	0.455994	-1.121	0.455994
1.25357	-1.32883	0.796295	0.535614	-8.21E-02	1.82748	-1.10522	1.6478	-2.96561	1.6478
1.08414	-4.63626	-4.44949	-0.16901	0.912048	1.63779	2.11584	0.250092	-0.27127	0.250092
-0.42963	-1.21423	-2.35074	1.92142	-1.03281	0.638947	-1.94247	-0.4798	-2.14758	-0.4798
-2.18375	-6.51E-02	-1.52667	2.06537	2.43292	-2.18958	-2.88E-02	-0.7962	-4.77298	-0.7962
-2.83701	-3.12891	-2.97525	1.62976	-1.12192	-2.6348	0.393188	0.289337	-2.12219	0.289337
0.989075	-1.16312	-3.58948	-1.65802	1.49509	-1.66922	-5.38E-02	-0.83618	-1.09317	-0.83618
0.569489	0.217865	-0.68381	-1.64032	-1.83853	-2.24152	-0.10529	2.892	-0.26492	2.892
-1.71048	-0.94977	-0.38184	-0.42102	-2.24973	-1.0061	0.876953	7.35E-02	-0.92947	7.35E-02
-0.20721	0.33548	-0.52383	-0.69638	-1.45825	-0.8638	0.411896	1.1246	1.58878	1.1246
1.72632	-0.14783	-1.87134	-2.14301	-2.50235	0.976044	-1.57382	0.514008	-2.08868	0.514008
0.216797	-0.25989	-3.18961	-2.75208	0.906952	-1.01794	0.313416	1.75076	0.950134	1.75076
-2.09921	0.229889	-0.44818	-2.91904	-0.47485	-2.33185	-1.88577	0.516571	0.228485	0.516571
-1.96454	1.97388	9.47E-02	1.61523	-0.80173	1.42407	0.541351	0.880402	0.587372	0.880402
1.85995	1.89783	1.13168	3.10367	0.41983	-0.63852	3.31824	-1.0481	4.51425	-1.0481
-1.95E-02	-0.51694	0.363342	0.76651	-0.11169	0.872162	-1.39297	-2.38092	2.38223	-2.38092
-0.44122	-2.74561	1.72574	-3.52075	-3.73285	-4.37396	0.22403	2.29288	3.539	2.29288
2.1055	-0.41132	-2.76007	-3.13293	2.63998	0.357697	3.7619	-2.91617	3.9686	-2.91617
3.47668	-0.88211	-4.7117	2.65869	-1.34323	-2.49484	0.120636	1.2117	3.94174	1.2117

1.64938	-0.14673	-0.41733	-0.28742	-1.24841	0.998871	-0.22958	2.12918	3.05939	2.12918
0.7146	3.35E-02	-1.80576	-2.50934	-0.21375	-1.50931	4.19623	1.69583	-0.64777	1.69583
0.328461	0.788971	-1.04422	-2.03018	1.28986	2.23688	2.6633	-0.76587	-2.92111	-0.76587
-1.50256	-1.97842	-0.69254	-1.58691	3.36197	2.04672	1.71997	0.265594	-1.37531	0.265594
0.442322	-0.48718	-0.58261	-3.23837	1.44516	0.562378	-1.05847	-1.08075	1.19974	-1.08075
-0.99442	0.212585	-2.11707	-3.24634	-1.20657	-3.11536	-1.15527	-1.82883	-4.53342	-1.82883
-2.18634	-1.05112	-0.54721	-3.47528	1.00589	-2.39371	0.646667	-1.86209	-1.45432	-1.86209
-1.28256	-4.58148	1.32089	-3.23611	-0.71417	-7.86731	-1.44818	-2.06091	-2.35117	-2.06091
1.11627	-4.53534	-0.25946	-0.41849	2.13519	0.380249	0.195526	-4.23642	0.401306	-4.23642
2.42407	-4.51422	-5.87E-02	-3.10513	1.53732	3.28732	1.68964	3.2457	3.09741	3.2457
-1.46161	-1.91229	1.61545	-0.51794	-0.8642	-0.10599	2.9913	-0.58139	-4.44699	-0.58139
7.15E-02	-0.90741	-1.01239	1.83499	1.36499	1.07416	-0.27417	-0.46939	-2.94345	-0.46939
-1.39853	-0.41574	-1.94632	-1.60553	1.65369	1.27127	3.14993	2.1123	0.54538	2.1123
0.450592	1.05643	-1.00665	-1.90942	0.58197	-0.78391	0.37674	-1.11078	-0.47168	-1.11078
0.69986	1.46088	-1.04263	-2.08246	0.428345	-1.16461	0.735901	1.22321	-0.81583	1.22321
-0.57947	0.486176	-2.23294	-2.28979	-1.93265	0.630219	-0.86743	-4.61E-03	-1.56381	-4.61E-03
0.725616	2.49649	1.01147	-1.99017	-1.90555	-1.77365	-0.28159	-1.58096	-1.36728	-1.58096
1.85788	0.519409	-1.35E-02	-3.41324	0.744934	-0.86743	-5.68E-02	-0.82053	0.365784	-0.82053
-1.72433	6.45E-02	-2.00302	-6.76608	-2.39572	-0.73264	-0.36115	-0.95102	1.01358	-0.95102
-1.75797	0.213837	-8.47021	-3.08752	0.924652	-1.92392	2.21854	1.80978	-2.29626	1.80978
-1.08E-02	-1.22183	-4.76285	4.1994	-0.7865	-0.48816	-0.39337	4.21118	-4.09958	4.21118
0.713776	-0.2244	3.56525	4.30667	-4.45386	-4.89456	1.84442	2.58978	-1.75848	2.58978
-1.38052	0.43399	-1.09897	0.689453	-1.6358	-2.23688	1.16898	-1.18597	-0.92661	-1.18597
-1.40E-02	-1.87851	7.44E-02	0.740082	-2.42172	-2.11963	1.98264	3.25641	-2.24655	3.25641
2.13568	-1.08383	-1.1629	-1.56952	-3.37802	-1.79581	1.78961	2.38388	1.5499	2.38388
-0.5831	-0.60547	-0.40634	-2.07184	-1.84674	-2.39783	1.19824	1.65033	-0.24896	1.65033
0.818481	-5.05E-02	-0.80341	-1.72028	-1.02023	-0.61942	1.42029	-1.48349	0.553375	-1.48349
0.379608	0.399902	-2.25095	-3.039	0.225677	-1.75577	-1.71521	1.46942	-0.46469	1.46942
-0.30991	-1.0304	-1.92023	-1.91217	-0.73834	6.52E-02	0.52713	4.16855	0.179413	4.16855
-0.54352	-1.62729	1.08804	-0.84485	1.74963	-0.56125	2.91113	-0.5408	0.767883	-0.5408
1.56238	-0.4696	0.202789	1.50232	0.335175	1.24939	-2.81155	0.67511	0.29599	0.67511
3.00565	0.570923	-2.44342	1.35147	2.52444	0.805573	-0.58777	3.3092	0.836548	3.3092
2.62347	2.60587	2.94104	3.21231	1.5976	6.54E-02	-1.09097	4.8468	5.11871	4.8468
-0.27335	-0.10022	4.20694	1.24716	-3.47507	1.59763	2.96762	5.32199	1.70743	5.32199
4.52719	-1.13171	2.09155	1.26617	-1.99179	7.44E-02	2.11047	1.67862	-0.1843	1.67862
0.644775	0.279907	-2.03378	-6.55E-02	3.38E-02	0.117279	-0.15506	-4.20438	1.04315	-4.20438
-1.91873	-0.54175	-1.05972	-1.70071	-1.63052	1.66147	1.57E-02	1.1637	2.48508	1.1637
1.3905	-0.10956	-2.24783	-1.84753	0.75235	-1.55963	1.81406	4.20593	-0.12137	4.20593
-0.79053	5.55E-03	-0.35202	-1.67746	-2.01E-02	4.77768	-0.76181	4.03992	-2.71811	4.03992
1.08072	1.48718	-3.44162	-2.8208	-0.71002	3.64194	-0.48792	0.957092	0.98349	0.957092
0.14682	-0.42481	-2.86621	-2.05896	-1.91904	1.88455	-0.64157	1.40765	4.13632	1.40765
-2.25043	0.648102	-1.74716	-3.80475	3.34464	1.15775	-1.50854	-0.9364	1.47678	-0.9364
0.179474	-5.25E-02	-0.3764	-3.69019	-0.1629	3.23047	-2.31735	2.13541	-1.61813	2.13541
-2.18826	-8.22E-02	-1.67502	-2.30191	1.65265	-1.95023	-1.46738	0.211304	0.800537	0.211304
-4.48822	-3.89145	-1.42285	-5.60269	1.9303	4.35065	-1.41779	0.378876	1.90591	0.378876
-4.49063	-0.6142	-0.16257	-1.40454	-8.97E-03	9.06E-02	0.355927	0.533203	-2.0882	0.533203
1.1131	-0.7587	2.28116	-0.93262	1.4682	-1.09848	-2.00302	-0.65057	-1.18619	-0.65057

1.47058	0.824188	1.52322	0.795593	0.15329	0.29248	-1.60916	1.7359	1.63126	1.7359
-1.20251	1.34387	-2.12042	-0.48871	0.707764	1.14E-02	1.34323	-0.27722	-1.00482	-0.27722
-0.1395	-1.05087	-0.24374	-2.29614	-0.13675	-3.5097	2.07513	3.16064	0.918213	3.16064
-0.21692	4.09E-02	-1.85001	-1.72168	0.607666	0.256073	2.80569	2.73853	0.138977	2.73853
-0.76279	0.219482	-1.90393	-2.28241	-1.28482	1.79602	0.855072	1.43982	-0.19309	1.43982
-1.0368	0.292603	-1.3533	-2.00085	1.72906	0.226074	0.454834	0.204865	2.27094	0.204865
1.2457	-0.63351	2.93854	-3.19806	-0.34396	-0.53363	-1.33307	-0.52502	0.260284	-0.52502
-8.74E-02	-4.78021	1.2739	-0.87628	-2.11392	-0.69363	-1.79535	-1.01282	3.86578	-1.01282
1.24554	-4.25598	-0.93121	0.42337	0.160126	-0.93411	-1.21448	-2.12039	3.26465	-2.12039
0.893188	-2.60483	-2.61835	-1.51007	2.48871	-0.80396	-1.62259	-1.03632	0.814911	-1.03632
-1.29135	-1.19843	2.66495	-3.33734	4.94403	-6.75168	0.486115	-2.5097	-6.6319	-2.5097
-3.7106	2.40051	-0.26035	-1.40744	0.779297	-5.3876	5.69E-02	-1.56216	1.5596	-1.56216
-0.60971	0.426697	-0.11289	1.56488	0.989288	-5.33954	2.08652	-3.07278	-2.02914	-3.07278
-0.14401	-0.12775	-3.11322	-0.68131	-0.33081	-2.53082	0.944214	0.730377	-0.9404	0.730377
0.335114	-1.27808	-0.47504	0.232971	1.81E-02	0.432587	0.486938	-0.32327	1.47034	-0.32327
1.27637	-0.38632	-1.25031	-1.69727	-1.37E-02	-1.39001	-0.36121	2.76321	-0.25601	2.76321
0.633728	-0.81442	-1.27225	-1.741	-2.11853	-2.34238	1.93338	1.76242	-1.8764	1.76242
-3.091	-0.52069	-3.08893	-2.41898	1.45886	-1.02155	0.354614	0.61084	-0.12479	0.61084
-2.86441	0.121887	-0.54147	1.03256	0.403748	-0.13934	0.242126	1.3273	-0.86331	1.3273
-1.73453	0.471191	-3.1579	-0.68308	-1.3645	-1.18213	2.08807	-0.7464	-0.24161	-0.7464
-1.98657	-1.20425	-5.35989	0.249176	-4.49756	-1.40753	1.77554	1.05371	1.57013	1.05371
2.08328	-4.32553	0.681641	7.36041	2.00409	-1.89813	2.79114	1.1203	3.28912	1.1203
4.29315	1.22189	-0.14166	-3.49643	2.05463	-1.76617	0.64682	0.285583	6.09671	0.285583
-1.30801	-3.24191	1.53E-04	5.33878	-5.7327	4.5061	1.94449	-0.27487	-0.74048	-0.27487
-0.62891	-1.1189	-2.0137	0.912598	1.08838	-0.46323	0.863037	-3.6402	0.404236	-3.6402
1.83807	1.06665	-1.0325	-1.35413	1.51016	-1.58133	-0.1471	-0.4296	-2.75E-02	-0.4296
1.03302	-2.02826	-1.88394	-1.02332	0.493256	-1.63232	3.63126	2.83884	-1.42938	2.83884
-0.71771	-0.94104	-1.56451	-2.22449	-0.74616	-0.21881	1.17221	2.69492	-1.45712	2.69492
0.224518	4.05E-02	-3.50925	-2.40118	0.156372	-0.38995	0.346893	-0.25998	0.641388	-0.25998
-1.29999	-0.54831	-1.51062	-3.20526	-3.50214	-0.77225	1.31213	0.31076	-0.98099	0.31076
-1.30823	-2.32901	1.38614	-1.53503	1.97095	-1.92316	-2.75546	0.678894	-0.84421	0.678894
-1.35294	-1.5166	-0.50531	0.957916	-1.8576	0.360168	2.32727	1.4115	-0.71372	1.4115
-7.26907	-3.90295	4.15021	0.294983	1.64835	-0.88052	4.40872	1.63599	0.93454	1.63599
-3.44373	-2.57645	-1.80325	-2.82437	-2.53711	1.98364	2.94101	0.572388	1.8287	0.572388
-0.94855	-4.50891	5.22034	0.309753	-6.22928	-2.25858	5.19693	-0.46542	4.22061	-0.46542
2.1044	-2.96869	6.01935	-0.66022	-2.6485	0.92511	5.29507	0.174133	3.8027	0.174133
-1.3869	-2.13202	-2.0228	-0.43579	-3.22742	3.25247	4.16461	-1.35507	4.66055	-1.35507
0.79837	0.144745	-1.85211	6.33E-02	-1.32852	2.00327	3.69812	-1.7728	-1.4187	-1.7728
-0.36081	-1.52557	-3.97E-02	-1.08374	-0.10452	1.55658	6.27106	1.48102	1.59152	1.48102
-0.62561	-0.64444	1.83618	-1.13019	0.378357	1.64929	4.48871	1.45053	0.568268	1.45053
-1.38019	0.717773	-0.25345	-1.1456	-0.10825	-2.58478	-3.67E-02	0.729004	0.436493	0.729004
-0.46689	0.564514	-3.4136	-3.51297	1.44904	-4.20255	5.21E-02	1.87045	2.52512	1.87045
-2.60303	-1.80161	-0.74817	-4.06894	-2.77496	-4.34973	-2.61426	-2.56781	-0.52292	-2.56781
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-3.77444	-1.92966	0.661896	-0.65921	-3.33585	-2.18564	-1.93176	-1.0065	2.24225	-1.0065
-2.62552	-1.44684	0.732941	4.31781	-1.73761	0.392242	-3.86789	2.94269	5.64493	2.94269
-1.41245	2.3591	0.532135	2.03036	-0.14557	2.28113	-3.03918	1.74609	2.68771	1.74609

-2.91251	-2.98129	1.67175	1.31708	1.10529	-1.96719	-3.15762	4.96802	2.19211	4.96802
-1.31082	-0.56952	1.75	1.50931	-1.23712	-0.23624	-0.54178	2.03452	4.85E-03	2.03452
0.549591	0.658752	-0.42203	1.49329	-0.67743	-0.80713	1.33981	1.09399	1.8815	1.09399
-5.51E-02	0.234344	-0.27145	-1.17294	1.45847	-2.07733	1.56625	3.25833	3.26233	3.25833
0.694366	7.79E-02	2.79739	-2.40628	0.756561	-1.1488	3.89969	1.69122	-0.55441	1.69122
-1.48376	1.42978	-0.30933	-2.71649	0.81897	-2.12875	0.745972	1.7081	0.775513	1.7081
-0.6424	0.408508	2.84439	-3.78186	0.697662	0.885559	0.44223	1.32816	2.77472	1.32816
-0.98782	-1.57559	0.852936	-4.18283	1.03754	-2.49564	-2.00977	-0.10092	-1.36591	-0.10092
-0.55234	-3.39383	0.6633	1.11664	-0.85071	0.515167	0.560272	-1.71741	1.38437	-1.71741
0.393555	-1.04977	0.879395	-3.49863	0.970032	-6.05273	0.577942	2.48849	3.26013	2.48849
5.52E-02	0.262177	-3.49805	-6.51968	-5.02921	-11.3521	1.20602	6.12228	3.9183	6.12228
1.88E-02	-1.84802	3.07996	-5.88412	-5.34998	0.295532	-2.33908	9.01801	-3.06427	9.01801
-5.0535	-0.12839	-2.73706	-4.37112	-0.59601	-2.36618	0.595001	7.25E-02	-2.10559	7.25E-02
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-3.52E-02	0.181152	-1.0686	-1.9447	-3.41861	1.55927	2.74643	3.18307	-1.55722	3.18307
-1.4136	-1.46506	0.444366	-1.90244	-1.26813	-0.75711	0.350739	3.23593	-2.68738	3.23593
-0.40393	0.789673	1.03259	-2.61026	-0.27176	-1.58893	3.677	8.07E-02	-3.33511	8.07E-02
0.792908	0.303894	-0.75894	-2.7049	0.482178	-2.39777	2.54987	1.51782	-3.4523	1.51782
-0.3866	0.982819	0.587494	-4.34216	-0.10455	-0.67673	3.70123	3.49176	-1.33688	3.49176
-0.39191	-0.77429	-2.92825	-3.09705	0.642334	-1.95654	0.405731	1.85867	-1.34E-02	1.85867
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-3.70215	0.389618	-2.26221	-2.83243	0.244537	-2.02182	-0.58438	1.45389	-0.68137	1.45389
1.9444	2.05255	2.09625	-2.0329	-3.99219	-5.28406	-2.89056	-2.8992	-1.32788	-2.8992
3.91577	-5.78302	-0.78726	-4.61014	-1.00827	1.62354	-3.27856	-0.73181	-2.83548	-0.73181
3.81339	-5.52881	-3.82047	-2.03262	1.20941	-2.0726	-2.1087	1.50223	-4.5925	1.50223
1.4473	0.597107	-4.7749	-3.85989	-0.66431	0.929657	-2.40228	0.172913	1.90265	0.172913
-0.63971	-0.81024	-1.7467	-3.57251	-8.72E-02	1.26819	-0.96158	1.2915	-2.9704	1.2915
0.872894	-0.32678	-1.92035	-0.95374	-1.44083	-1.49692	-0.11466	0.67984	-0.57007	0.67984
-0.58722	1.00238	-2.30313	-1.80777	-1.43414	-0.96582	0.4841	1.77841	-0.61292	1.77841
-0.72199	-0.31482	-3.23755	-2.7644	0.522766	-0.84378	-2.38232	-1.56329	1.20142	-1.56329
-0.2941	-0.18131	-2.20273	-0.72357	1.06006	-2.50433	-0.73538	2.45926	-0.99927	2.45926
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-2.40323	-1.18622	-0.7608	-1.59576	-1.0567	-0.67731	1.32556	3.36798	2.00479	3.36798
0.777527	-0.52008	-2.35159	2.52478	0.376038	1.17697	1.86963	-0.27982	0.662537	-0.27982
2.36179	-3.21765	-5.28516	1.29883	-4.31079	0.835846	0.456421	0.2052	4.0209	0.2052
0.981049	-3.52142	-2.92575	0.309448	-4.19995	-1.01196	-2.35599	-3.74319	-3.6431	-3.74319
-2.43961	0.399506	-1.78116	1.63138	2.14719	0.102417	-1.90341	1.55493	-1.8624	1.55493
1.71109	-0.58362	-7.89E-02	5.46E-02	1.40509	-3.04413	-0.71396	1.44931	-2.00436	1.44931
-0.44083	-2.20773	-1.81552	-0.52332	-1.31241	0.892487	1.68732	1.63528	0.124481	1.63528
0.338196	-1.09616	-0.47336	-0.62482	0.138062	0.919983	3.62543	-1.63568	-1.66257	-1.63568
-0.38733	0.401367	-2.06393	-1.71729	-0.41113	1.54779	2.1214	-2.86E-02	0.30719	-2.86E-02
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0.162598	-0.42331	-2.26901	-2.01187	-0.50925	-0.63245	1.89093	0.34024	-0.30026	0.34024
0.911774	1.75641	-1.15115	-2.52435	2.08023	0.704071	0.844849	-0.38483	-1.43652	-0.38483
0.687561	-1.96863	-1.49091	0.828827	-1.26511	1.53998	-1.02313	1.50418	2.85498	1.50418
-1.17456	-1.11868	-4.94891	-0.53323	-3.29767	-0.13623	2.96753	0.865509	1.61935	0.865509
-3.47311	0.37326	-3.09683	2.76593	-4.3472	-2.74985	3.07584	0.408386	-2.44388	0.408386

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-7.7399	-1.70911	0.528351	-1.22842	-2.039	-3.2659	4.79468	0.115326	3.81091	0.115326
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0.179871	-0.20935	-0.49081	0.487976	-2.51682	-1.00781	2.10931	-0.78162	-1.40872	-0.78162
1.53979	0.140228	-1.06406	-0.85364	1.79828	2.05368	5.39383	1.31995	-1.85577	1.31995
0.118378	0.659851	-0.45181	-1.01749	-0.78104	1.43378	1.41089	-9.12E-02	-1.34683	-9.12E-02
-1.38367	0.300995	-2.44504	-1.01111	-1.14435	1.37112	0.410278	-0.16959	-2.85199	-0.16959
-0.63748	-1.29318	0.896576	-1.47076	3.12006	2.00085	1.27643	1.35294	-1.15787	1.35294
-1.07312	2.5939	0.963135	-0.36444	-1.24988	-1.72556	-0.15997	0.93808	0.717285	0.93808
2.41568	-0.80542	-4.49E-02	1.22693	-0.7113	4.01917	-0.95883	-3.68021	3.77899	-3.68021
3.03543	2.70032	-0.3259	2.69717	-1.61835	6.58E-02	0.279633	-3.15552	5.57004	-3.15552
2.54349	2.53687	-1.35056	-1.4054	-5.5264	-5.72635	3.55911	2.38098	2.72861	2.38098
-1.86005	3.99149	1.90164	4.28967	-0.52896	-6.31015	-1.74716	3.64789	4.42783	3.64789
2.18088	0.914093	1.96295	-2.29944	-1.16312	0.705322	3.0502	4.05481	2.3009	4.05481
1.95258	-0.61072	-0.40289	-2.86859	-0.45322	3.61548	3.23303	1.5787	1.23895	1.5787
0.99649	2.76074	-1.51212	-1.86401	-1.39813	1.46487	0.178619	3.14658	1.61099	3.14658
1.21552	1.18573	-0.95593	-1.37164	-0.99573	-0.10211	1.55814	2.81384	-3.72076	2.81384
0.854675	-0.55682	-0.91251	-1.07797	0.143646	1.7934	3.69888	0.234619	1.21768	0.234619
-1.06497	-0.4382	-1.06613	-1.93259	-1.10605	1.23993	-0.77762	-0.90021	1.9632	-0.90021
5.86E-02	0.457489	-1.24051	-2.88837	3.33005	2.24115	1.76743	-1.34766	0.582733	-1.34766
0.272095	-1.85141	-3.29138	-2.57535	1.44324	0.832855	-2.34286	-0.91162	-0.66501	-0.91162
-3.15973	1.82379	-3.37003	-0.25598	1.8696	1.37427	-0.58023	-0.328	2.40826	-0.328
-5.95215	4.25543	-3.29E-02	0.462067	0.244141	2.32278	-1.94928	-1.8833	1.08353	-1.8833
-0.41721	-0.18625	1.96246	3.84543	-0.91559	-1.03055	-1.03229	-0.86981	-2.04538	-0.86981
1.38397	3.80518	-2.96707	-1.79764	8.38E-02	-0.97055	-3.82208	-3.92822	-4.76489	-3.92822
2.79688	-3.7435	-0.97784	1.78116	-4.22E-02	-1.1633	3.37549	-0.72836	0.971802	-0.72836
-1.9274	-0.77091	-2.6369	0.597198	3.10077	-3.51562	1.05313	0.275513	-2.10565	0.275513
-0.66422	-6.60E-02	-1.49933	-1.06821	2.65E-02	-2.01361	2.83093	2.4201	-2.61752	2.4201
0.841919	-0.54276	-1.75104	-1.22192	-1.51343	-0.77271	1.13443	1.53E-03	-1.02127	1.53E-03
-1.79984	0.584381	-0.44882	-0.61438	-1.79913	-0.88101	1.39801	1.03961	0.390289	1.03961
-0.92069	-1.00681	-2.85092	-0.5676	-1.94714	-0.88947	1.94168	-0.6149	-1.7952	-0.6149
-0.84839	-0.1265	-3.78012	0.569824	2.48224	-0.89423	0.355804	4.56E-02	-0.97717	4.56E-02
0.216278	-2.49069	-4.08948	0.375854	-0.17496	-1.55215	-2.13617	2.19678	-3.15381	2.19678
0.724182	-0.44513	1.64688	-0.98319	1.55829	-0.80142	-0.58615	-1.2822	-0.56104	-1.2822
-1.63345	4.77814	-1.45349	-3.97183	1.67834	-3.44144	-2.85886	-4.474	2.77435	-4.474
-0.78641	-2.53525	2.63565	1.59222	0.301392	-1.02603	-2.07458	-0.94013	-0.16357	-0.94013
-3.38474	1.05038	0.99823	4.23035	2.69003	-3.26056	0.342133	-3.12561	0.920929	-3.12561
0.298981	0.959412	0.283356	2.78857	-0.74579	-0.4259	1.10919	-3.07568	0.603912	-3.07568
-0.9903	1.58258	-2.3472	-2.41562	-0.82401	-0.33542	-2.48837	2.17902	-2.04227	2.17902
-1.19333	-0.22653	-0.47372	-2.19101	1.05026	-0.14221	0.776306	0.23468	-0.66422	0.23468
-0.21869	-2.00546	-0.86633	-0.62122	6.60E-02	-0.43311	1.13525	2.96933	-1.13766	2.96933
-1.78003	-0.90015	5.90E-02	-2.40097	-1.32205	1.1785	-1.44229	1.91623	1.28299	1.91623
-0.52499	0.717377	-0.78925	-0.4191	0.435974	-1.74246	0.289368	0.735992	-1.40729	0.735992
-0.2576	0.999908	-2.54202	-1.84686	0.198639	2.81787	-1.90527	2.71906	0.251831	2.71906
5.10E-02	9.46E-02	2.44983	-1.22293	6.59E-02	5.26E-02	-3.58215	1.42209	2.16119	1.42209
-1.89212	-1.88062	-2.2522	1.03473	0.403381	0.376892	0.872375	1.3591	0.499268	1.3591
0.691528	2.81912	-1.95221	9.58E-03	1.11914	1.84698	1.55112	-5.61841	-1.97955	-5.61841

-1.5	1.73895	-4.37375	2.11871	-6.80621	-1.96753	-2.35257	-2.76361	2.74841	-2.76361
1.72665	-0.8602	-10.0948	-2.13803	1.90384	0.683533	2.35422	-1.5853	4.80841	-1.5853
2.0954	0.485291	-1.53775	1.33667	-1.1785	-1.1059	1.89209	1.22E-04	5.21811	1.22E-04
-0.7605	0.619202	-1.36609	0.769379	1.42758	0.174377	0.260925	1.21552	-2.18057	1.21552
-0.38123	-0.16873	-0.7265	-0.85013	2.14847	-1.21701	0.234009	3.9469	-2.21222	3.9469
-0.96491	0.210236	-2.23303	-0.21783	-1.89642	-1.08731	2.48096	2.23843	1.65784	2.23843
0.16037	0.380066	-2.92651	-0.46396	0.401642	0.927094	2.35999	2.45261	1.96497	2.45261
0.500916	-0.3811	-1.58203	0.461792	0.474365	-2.08325	0.455078	3.06741	2.4061	3.06741
-0.55588	1.20392	-3.38843	-0.22797	1.52216	-2.19965	2.25531	2.55515	2.72812	2.55515
0.756989	-9.79E-02	0.564941	-3.88623	1.38803	1.01367	-0.68945	1.08588	2.25049	1.08588
1.83987	-1.58463	0.6409	-1.37747	0.125092	-1.24371	0.865967	5.09E-02	2.53857	5.09E-02
0.494843	-1.42657	2.16599	0.130493	2.46545	1.51068	1.08072	3.16809	-2.35065	3.16809
1.88467	-0.10913	0.137848	-2.77737	0.550995	3.36667	-2.09369	2.30E-02	4.52023	2.30E-02
0.369751	0.123383	-1.05725	-1.73233	0.879822	-4.02725	1.11682	-5.52661	4.90613	-5.52661
-1.05212	-2.04379	-5.86215	0.338654	-0.22571	0.853424	4.86298	-5.20099	4.05432	-5.20099
-4.08551	0.43988	-2.12369	-1.8418	-0.88123	-2.90802	2.24692	-3.70688	2.66104	-3.70688
-0.94351	-1.43524	-1.00751	-1.50702	0.246582	-1.91211	2.66922	-0.15122	4.35489	-0.15122
-0.51968	-0.64356	-2.01224	-1.01923	-1.75912	1.43588	0.883942	1.12292	-0.74179	1.12292
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0.306732	-2.1561	-1.94232	-1.40509	0.195374	0.759918	3.15967	0.520203	0.98941	0.520203
0.195801	-0.33038	-3.81E-02	-0.17508	-1.07626	2.89E-02	-8.47E-02	1.76443	2.73523	1.76443
0.401886	0.812714	-2.14258	-4.55035	-2.26785	0.249359	0.329651	-0.35791	-1.5694	-0.35791
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-0.33307	0.766418	-0.52811	-4.42E-02	-2.92776	2.84848	-2.50986	1.55841	3.50754	1.55841
0.960602	-1.07E-02	-0.12195	0.298401	-3.22809	0.429169	-1.44818	-1.33643	3.25592	-1.33643
-3.19315	2.2431	-3.30905	-5.55164	-0.70355	-0.26227	-2.13226	-0.44092	-1.19028	-0.44092
-2.3175	-0.68842	1.57965	-2.35623	-0.89169	-7.14618	0.277588	1.19153	2.50531	1.19153
-2.4332	1.58771	-0.5961	-2.6044	1.42169	-0.22812	-0.32968	0.855499	1.70694	0.855499
-3.52423	0.879456	-1.53952	-1.56281	-0.64282	0.962494	-1.95578	0.177704	-1.2735	0.177704
-1.2536	0.917633	-1.82065	-2.21082	-0.38812	-2.56433	2.07925	0.313446	0.362427	0.313446
-1.53464	-2.68E-02	-1.76633	-2.07498	-1.77536	0.43399	1.0903	0.748016	0.158783	0.748016
-1.78479	0.869202	-2.24323	-2.32709	-0.66052	-1.40826	1.09418	0.440521	-2.4212	0.440521
-1.62759	-1.05301	-3.08411	-3.89636	0.365936	-0.96252	-1.63629	1.36316	-0.55737	1.36316
-0.41071	0.786011	-0.32327	-3.07755	3.57974	-2.44394	-4.02957	2.15988	0.680603	2.15988
-0.94064	0.702972	0.197876	-0.33258	-3.1058	0.334869	-3.24545	1.27249	1.36078	1.27249
-0.77927	3.25613	-2.2944	4.28799	-3.63806	2.09927	-0.98157	3.81781	4.18225	3.81781
4.5502	2.32626	1.40744	1.84473	-5.5946	-0.96463	3.48E-02	0.133484	0.243408	0.133484
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-1.51801	-1.52161	-0.80444	-1.83853	-2.8237	1.9628	-4.7807	5.27744	3.5531	5.27744
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-0.88168	0.684021	1.80316	-0.45813	1.71268	-0.47311	0.828156	3.57355	0.279419	3.57355
0.142059	-0.26044	-1.15463	-1.17987	-1.19824	6.00E-02	1.39301	2.90881	1.24268	2.90881
0.148621	1.89529	-9.40E-02	-2.31561	-1.23892	-0.38187	2.63638	2.16321	0.512299	2.16321
-1.4082	-0.6297	1.66269	-2.13657	-1.52094	-2.04584	0.849426	-1.12595	-1.86566	-1.12595
1.22287	-1.5127	-3.76456	1.96967	0.339722	1.22516	0.996735	4.83047	-2.52499	4.83047
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-1.03445	2.81564	-0.25882	0.141083	-3.01825	-1.84222	-0.38117	-3.98779	1.03983	-3.98779
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-5.61853	-3.20392	-1.10934	-3.12582	-1.46695	-0.43427	-0.13797	1.71201	2.54932	1.71201
0.473877	-3.53531	-3.44257	-0.69223	0.324799	2.0632	-1.7113	3.22711	2.8092	3.22711
0.665985	-1.55551	-4.39258	0.1763	0.886597	-0.47833	-2.48358	1.1662	-1.40967	1.1662
-0.73993	0.744354	0.110077	-1.50281	0.488068	-1.01971	1.97531	1.08698	-2.28271	1.08698
0.456909	0.138428	-0.10355	-0.65662	-1.51804	0.435181	3.37244	1.29092	-0.54648	1.29092
0.70047	0.85788	-0.97183	-3.44806	-0.66565	2.75E-04	-0.64542	0.754608	-1.51294	0.754608
0.687317	-0.8974	-1.24393	-0.65671	-0.82672	-2.34488	1.41827	1.2009	0.774414	1.2009
1.66681	1.86E-02	-2.20392	0.276733	0.307343	-1.55313	0.668213	2.86234	0.162537	2.86234
0.478271	-0.2637	1.13895	-2.80884	3.10574	-0.33765	0.327728	1.59088	0.485504	1.59088
-0.67792	-0.25803	-2.4881	0.185242	-1.94342	2.33719	-2.42712	2.71878	0.18277	2.71878
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-2.9631	1.66357	4.05966	3.09872	-1.0899	0.972046	-3.89389	0.915894	-4.15598	0.915894
-1.32135	1.33698	6.15594	-3.41995	-2.78177	1.49875	1.69061	4.06409	-2.99649	4.06409
-0.32141	-0.22769	1.66675	-1.07623	1.21979	0.245697	0.546387	2.02164	3.358	2.02164
-0.36862	-3.07172	0.31012	-1.77991	8.61E-02	0.45636	-0.36017	1.33411	0.426727	1.33411
1.08139	-0.83133	-0.24252	-0.13443	-2.93643	-2.15222	0.520508	2.1604	-7.59E-02	2.1604
0.38092	0.360535	-2.06204	-1.21375	-1.36835	0.440796	1.38913	3.28714	2.44952	3.28714
1.71207	5.05E-02	-2.34021	-0.41977	-0.98676	2.00729	0.767792	0.490204	-1.66052	0.490204
0.320221	-0.62341	-1.38022	-1.3118	-1.31924	1.37125	-0.73084	-0.1463	-0.42001	-0.1463
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1.64029	-3.14279	0.721344	-1.76755	-2.98956	-1.58295	-1.60767	-2.27682	-0.17661	-2.27682
-0.27463	0.502899	-1.0401	-1.05896	1.72128	-3.44852	-2.17673	0.909302	1.33429	0.909302
-4.62994	-0.65878	-0.27011	1.79819	-2.01175	-4.65372	0.422424	2.85599	-0.16696	2.85599
-1.30032	2.12405	-6.04724	-3.33469	-3.97131	-1.75974	0.804932	1.0726	7.12833	1.0726
-2.79364	4.36148	-1.51425	2.65097	1.15704	2.41794	3.35052	-0.5669	3.73743	-0.5669
5.09E-02	1.3024	1.07965	1.57816	-3.55389	3.41382	3.09058	-3.12686	5.57132	-3.12686
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2.61E-02	-0.55914	-1.49402	-2.96512	-0.21063	0.183167	2.62262	1.61649	-0.1467	1.61649
0.288116	-0.40677	-1.48694	-0.39633	-0.90933	1.48138	1.63895	2.15485	0.627136	2.15485
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1.40692	1.33908	-1.40402	-0.6467	-0.58405	0.61673	-0.12552	-0.18338	1.56299	-0.18338
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-4.90E-02	-0.46979	-3.50208	-2.11426	0.870819	-3.46E-02	2.10373	-1.63052	-2.0484	-1.63052
1.37808	-2.16263	-2.13321	-2.10999	0.256073	-0.35123	1.33115	0.4104	3.21939	0.4104
0.137634	-0.48007	-2.3154	-4.00162	0.253937	0.818481	1.37363	2.28079	1.02234	2.28079
-3.03961	0.987671	1.03415	-1.58649	-1.88751	-1.19745	0.495026	-1.39011	2.52142	-1.39011
1.16885	2.2504	1.98264	-2.53253	-2.77667	-0.10635	0.71344	4.86298	3.43033	4.86298
-2.44711	2.89288	1.49945	0.281677	-1.90012	2.18732	2.19019	-1.88947	1.70602	-1.88947
0.440399	3.27548	-2.32339	0.902008	0.320587	-0.46033	1.63342	0.77182	0.282043	0.77182
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-1.76041	-2.01337	-0.95096	-0.74863	1.28485	0.807587	1.89273	1.30432	1.94461	1.30432
0.22406	-0.26584	-1.97281	-2.20209	-0.33286	1.57208	3.94769	1.21613	2.25E-02	1.21613
0.389709	-0.15073	-1.93414	-3.29541	-0.92062	1.63483	1.74188	1.6835	-0.37051	1.6835
-7.51E-02	-5.88E-02	-0.88861	-2.40796	1.21124	0.369568	1.94312	1.72186	-0.81009	1.72186
0.695984	-1.17111	-3.41235	-1.24854	1.68164	1.89536	-3.97546	0.167175	-0.9953	0.167175

0.641174	9.96E-02	0.115875	-1.54788	-0.49271	-1.05011	1.28E-02	-1.73541	2.11038	-1.73541
-1.88745	0.907043	-3.37811	0.962494	2.35593	-6.51111	0.96814	-0.21332	-1.11584	-0.21332
-8.03E-03	-4.39255	-3.01614	1.5108	-4.8403	-3.24185	3.64E-02	9.58E-03	-0.73029	9.58E-03
-2.82452	0.763275	-1.76096	2.76947	-1.86768	-8.35855	-0.31809	4.1799	4.50192	4.1799
3.2016	2.22739	2.68533	1.49576	-0.29511	-0.87708	-2.32352	1.29654	4.27521	1.29654
1.56229	1.8342	1.06342	-0.1749	0.398376	1.70407	-2.33997	-0.2533	8.73E-03	-0.2533
-0.22583	-0.52564	1.1312	-2.73242	0.306976	0.53717	1.56351	0.822479	-1.73923	0.822479
-0.21381	-1.97556	0.318054	-2.75952	-0.65872	3.30759	3.40445	0.237244	0.928925	0.237244
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-0.22928	0.694305	-3.67313	-1.38028	-2.17786	-0.45242	-1.88E-02	-3.52005	-0.39978	-3.52005
0.54599	-0.92362	1.66412	-1.29724	-1.06506	0.74527	0.497131	0.865295	-0.2226	0.865295
-0.44363	-0.25772	-2.211	-0.15796	-1.0173	-1.17731	-0.29355	0.114502	2.29337	0.114502
0.516754	1.13934	-4.54001	-1.27072	3.29443	3.05249	-0.32037	-1.8826	2.09045	-1.8826
1.39859	3.13025	3.44995	-4.42389	1.08621	-4.14365	0.246429	0.226685	-1.14069	0.226685
0.537354	-1.53	1.76605	-0.73364	2.46722	-4.79117	-1.07086	3.5553	-6.49039	3.5553
0.90329	-1.00549	1.78723	1.26877	1.64639	-2.93768	-1.89612	-0.90979	-3.15018	-0.90979
-1.1142	-0.9339	-3.39481	0.990509	-0.53491	4.23038	-0.41138	1.45291	-0.98557	1.45291
2.12747	1.22244	-2.25531	-2.12012	0.285675	4.24429	-1.95547	-1.55E-02	0.6297	-1.55E-02
0.497192	-4.46E-03	-0.40836	-1.45383	0.716766	1.57178	0.399628	2.05743	-0.79736	2.05743
1.87967	-0.80573	-1.41052	-0.90009	7.79E-02	1.30679	2.121	0.750031	2.72018	0.750031
1.73E-02	-1.05252	-0.83322	-2.73138	0.220276	5.07434	-0.71942	0.513916	0.498993	0.513916
0.133606	-6.94E-02	1.7276	-2.27588	-1.32516	1.35867	-1.17288	-2.26334	2.49881	-2.26334
-2.57162	-0.72659	-3.98157	-3.41873	-2.47137	0.596771	0.494751	-0.2825	1.90289	-0.2825
1.31268	0.694397	-0.3078	-2.34326	-2.47913	2.44717	1.32895	-1.51431	-0.15772	-1.51431
1.09433	1.36444	2.3165	-2.59143	-7.12326	-0.72772	4.42E-02	3.7276	-1.75925	3.7276
-3.56961	-3.56183	-1.10834	-3.1095	0.596191	-1.63354	2.29703	0.586975	-4.39258	0.586975
-2.92105	-2.67892	-1.56836	-4.12625	-1.42227	1.29523	4.63593	-1.13409	-1.59857	-1.13409
0.42749	0.484283	0.902557	-3.95053	-3.55231	3.3028	3.42859	-0.99979	2.03421	-0.99979
0.762604	-2.15482	-1.12729	-2.32141	0.476898	3.19766	3.29712	-2.02359	5.09695	-2.02359
1.03058	-0.67606	-0.18732	-2.3923	-2.63992	3.89368	1.30411	2.48529	0.489197	2.48529
-0.5911	-1.14017	-0.37216	-2.06424	-1.09253	4.1377	2.73273	1.17053	2.04404	1.17053
-2.70413	-0.66293	1.04739	-1.94336	-1.28735	1.82727	1.50171	1.26483	0.475372	1.26483
-1.36508	-1.04092	-2.52762	-2.34979	-1.00815	-0.72037	0.96817	-0.39288	-0.63641	-0.39288
0.515503	0.376099	-0.11173	-2.66678	-0.62045	1.59076	0.283508	-1.69995	0.39032	-1.69995
1.08508	-0.53079	-0.54157	-1.28156	-2.93115	0.84375	3.16E-02	-0.85953	2.0874	-0.85953
-1.77774	-0.2366	1.724	0.979919	4.00989	-1.90671	-0.23483	1.03171	0.72879	1.03171
-3.59235	-2.63525	-1.8085	-2.36331	-1.61575	-3.42523	1.33524	2.29221	1.44373	2.29221
-3.34912	0.216248	-0.38916	0.441925	-1.19778	0.993469	1.15402	-0.47153	5.57092	-0.47153
-3.89233	1.36649	-2.03445	3.05765	-2.14307	0.143127	-0.33078	7.12329	6.44211	7.12329
-2.56052	1.93008	0.402832	-0.29044	-6.90E-02	0.717712	2.47269	1.10162	5.5968	1.10162
-0.4501	-1.18719	-0.25989	1.80838	0.72049	1.53256	3.61511	2.20023	2.21173	2.20023
-0.81442	0.118561	-2.0527	-2.16571	-9.72E-02	-2.43433	0.233917	0.622803	1.26077	0.622803
-3.1676	-0.51346	0.240967	-3.49524	-1.09564	2.98E-02	3.84695	3.18213	1.11234	3.18213
-0.31824	0.891968	-0.50293	-3.62479	-0.76984	0.125397	-7.56E-02	2.64853	0.567474	2.64853
-1.97739	0.973785	-0.28803	-2.96231	-0.50192	-1.13968	0.735992	1.3454	2.17209	1.3454
-2.40338	-1.42841	-0.66803	-1.52737	-0.91635	0.15097	2.25952	-0.82944	1.69504	-0.82944

-1.18823	-0.57019	-1.59476	-1.61505	-0.78116	-0.56445	0.672028	1.53799	0.644196	1.53799
-3.78302	1.508	-0.7937	-1.82416	-0.88452	2.14578	-0.55862	0.900482	2.87466	0.900482
0.620239	2.80963	1.43671	-1.79263	1.15704	-1.03241	3.40152	0.100983	7.04214	0.100983
1.68488	-1.40805	-0.46524	3.08112	5.09729	-1.03964	3.66403	-2.5419	9.73151	-2.5419
-8.15375	-1.87482	3.50095	5.27E-02	3.75253	2.59924	2.02872	2.90308	5.06772	2.90308
1.1134	0.372894	-0.87836	1.72845	-0.78671	1.8255	5.50089	3.47943	4.09061	3.47943
2.5687	0.206879	0.424622	1.69769	-1.88773	1.79016	-0.21716	-1.38757	1.10425	-1.38757
1.66849	0.733246	-0.25443	-1.76511	-0.44943	0.849365	2.10562	-2.33E-02	-2.42E-02	-2.33E-02
-0.89328	-0.35877	-1.25876	-0.58524	0.17807	1.51978	4.03995	-1.79468	1.34534	-1.79468
3.12E-02	-0.71942	-2.28592	-1.61597	-1.43805	-5.04E-02	2.49829	0.512726	1.29697	0.512726
-2.22989	-1.79993	1.16595	8.83E-02	-2.02072	-1.32596	0.394165	-1.25879	1.66901	-1.25879
-0.21829	-0.17069	0.157593	1.48874	-2.61566	-1.38184	0.368805	-1.09274	1.92664	-1.09274
-2.41971	-0.93329	0.989227	-0.55365	-0.54947	1.26196	1.33405	-1.85382	3.78818	-1.85382
-2.75693	-3.01581	-1.14E-02	-0.68158	1.46237	0.268768	-2.57104	-2.01392	-4.84351	-2.01392
-0.76465	-0.59006	0.251099	1.10648	-0.51825	2.13638	-5.19327	0.796387	3.36194	0.796387
-1.12622	-2.33783	-2.53204	-3.50629	-0.9158	-8.83E-02	-1.70459	-2.3226	-3.07407	-2.3226
-1.61533	1.65958	-1.42776	-4.66083	-3.75525	-0.49847	-0.62247	-5.6424	1.25821	-5.6424
0.294678	0.443512	4.10236	2.30008	-0.4469	-1.02509	-1.17963	0.158234	-0.91138	0.158234
-0.43042	1.07608	-1.57568	-1.4696	-2.90091	-2.14963	-0.72638	2.3941	1.30185	2.3941
-0.12183	-0.14154	-0.24432	-0.51761	-0.50201	-1.63251	0.651917	0.821075	2.75168	0.821075
-0.38791	-0.83957	-1.06235	-0.84583	-0.65375	-1.49841	2.73364	1.23694	2.51541	1.23694
-0.21112	-1.64413	-2.10992	-1.67407	-0.42053	0.350281	-0.66711	-2.14688	1.56769	-2.14688
-1.04037	9.73E-02	-1.29922	-0.841	-1.62762	-0.44638	0.842865	-0.10831	6.06E-02	-0.10831
-2.00739	-0.2294	-1.26782	-1.86496	0.492462	-1.72302	0.311005	-1.30646	1.09534	-1.30646
-0.96332	-0.59	-1.34647	-3.37115	0.919525	-1.46625	-1.09305	2.30E-02	2.8277	2.30E-02
-3.00E-02	-2.61841	-2.3775	-0.62616	4.20E-02	-1.94971	0.782959	-0.43219	2.00E-02	-0.43219
0.938538	-1.02167	-1.04019	2.04477	0.272339	1.11758	-1.76855	5.21429	3.42313	5.21429
0.825287	-0.51123	-3.22293	0.801117	3.504	-1.70605	0.552826	1.06998	5.35193	1.06998
-0.78015	0.725677	1.70135	-0.11993	-0.83215	-2.24765	-1.07086	2.24048	3.1665	2.24048
2.1156	0.256012	1.39E-02	-3.06012	-5.4024	-0.1651	0.418274	-1.18967	6.06262	-1.18967
-1.16681	1.39078	-4.8399	2.90088	-0.79932	3.85635	-3.81879	0.852509	-2.07367	0.852509
-1.18784	-0.64124	-1.5997	-0.30841	-0.65161	-0.60703	1.33981	0.198395	2.2341	0.198395
-0.80478	-2.19498	-2.18936	-0.97913	-1.90305	-0.24231	-0.95297	1.88223	2.71512	1.88223
-0.59604	-0.52924	-2.07593	-0.65717	-1.25345	-1.40442	1.46768	0.588531	0.853363	0.588531
-0.40607	0.665192	-3.63364	-2.85321	-1.11584	-0.60028	-1.60803	1.4501	-0.10709	1.4501
-2.05569	-0.65649	-3.04053	-3.28436	-1.15445	-0.83093	-2.54449	1.02E-02	4.33194	1.02E-02
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-4.55582	1.58789	-4.103	-8.21E-02	2.04648	2.13177	2.00076	-0.18219	0.772369	-0.18219
-0.67926	-0.39816	-1.37262	-1.78592	-7.63147	-4.55283	1.66132	2.71979	-2.47397	2.71979
2.31509	1.06207	1.26877	2.83792	2.88519	-3.85815	1.87433	-1.71521	9.41E-02	-1.71521
2.70755	-2.31021	3.28445	-3.69223	-0.87067	-1.51346	1.26431	-0.91342	-5.60257	-0.91342
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-3.75031	-2.92682	-1.8064	1.63449	-0.88782	-0.80093	0.117828	-0.56168	0.535431	-0.56168
-3.33032	-0.86594	-3.0672	-2.0957	-1.29843	0.646576	1.63162	1.41199	-2.72211	1.41199
-1.96259	-2.38458	-2.36414	-0.26624	-0.53003	-2.63	-0.10556	3.47754	0.210938	3.47754
-3.74274	-1.78082	-1.68253	-2.72696	-1.60184	-1.5108	-0.6463	1.59271	-2.25961	1.59271
-1.56119	-2.547	-2.35645	-2.4465	-1.89572	-2.40137	0.645294	-3.18338	-3.20679	-3.18338

-0.71899	-0.55591	-1.77051	-4.80768	-0.31867	-4.70062	1.20181	-2.61926	-0.19669	-2.61926
-2.03391	-1.06281	-1.29745	-2.68686	-1.30078	-2.06393	-1.45807	-0.18262	-1.86942	-0.18262
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-1.43555	-0.83136	4.52328	-3.75421	-3.45825	-2.35452	0.682343	0.805084	-1.10306	0.805084
-3.10303	-1.57693	1.65146	-3.24728	-6.10141	-1.76456	1.65793	-3.3396	-4.86389	-3.3396
-3.95743	-1.07422	0.404053	-4.33273	-8.55185	-0.49725	1.99533	3.9429	4.21841	3.9429
-0.43662	-1.38171	-3.01965	-1.25293	-4.88721	-3.00259	-1.63901	1.97754	5.03552	1.97754
-2.85251	-0.24551	0.2724	0.468109	-1.94501	-0.17194	2.77673	0.741119	-1.33206	0.741119
-1.29044	-1.25494	-2.99231	0.310791	0.659668	2.90759	-0.91318	0.224304	0.458282	0.224304
7.42E-02	-0.79868	-3.42075	-0.88944	-3.49564	6.15057	1.12134	1.11133	-2.54047	1.11133
-0.87262	0.451752	-1.51181	-2.43777	-1.89374	4.20117	-2.13461	1.00961	-3.26971	1.00961
0.306122	-0.33911	-1.12363	-2.9968	-1.70132	-7.62E-02	2.52E-02	-0.5387	-2.06879	-0.5387
-1.43768	-1.63458	-0.63672	-0.42716	-3.34885	-0.18362	0.640625	1.89304	-2.24E-02	1.89304
0.127075	-2.02069	1.23334	1.37814	-5.30527	-0.76883	-0.59815	0.423096	0.626587	0.423096
-6.35992	-6.39E-02	2.1167	-4.06467	1.04678	-0.19562	-0.12393	1.88269	-4.50772	1.88269
-9.77936	0.271332	2.29419	-3.27802	-2.00467	5.09036	-5.13E-02	-1.95419	1.97345	-1.95419
-5.16412	-4.42853	-1.63293	-0.10867	-4.67279	-1.02243	3.21002	-0.90692	-3.25E-02	-0.90692
-3.75443	-2.73221	-4.59686	2.54547	1.93665	-4.79587	2.60281	0.605591	-2.82889	0.605591
-1.85452	-5.1261	3.66544	3.38766	0.945404	-7.39E-02	0.8396	2.52823	0.270599	2.52823
-2.26102	-2.37689	1.87082	2.14038	1.60E-02	0.768372	-1.14429	2.83652	1.16125	2.83652
0.934784	-1.66104	-1.3905	-0.54022	-0.17282	-1.41522	-0.82947	-1.40833	-1.96411	-1.40833
-1.0752	-2.22238	-1.78845	-2.43073	-0.60883	-2.35E-02	2.52893	-1.05316	-1.63406	-1.05316
0.466187	-1.96112	-1.28732	-1.27197	0.353851	2.86758	1.3837	0.471008	-0.22113	0.471008
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5.10E-03	-1.26248	-1.07E-02	0.72113	0.50174	2.48508	-1.17148	-2.20224	-0.90237	-2.20224
0.505585	-1.02109	-2.58286	-0.35886	0.83313	-7.12E-02	0.121857	0.199493	1.66568	0.199493
1.46378	-1.83063	-2.37122	0.616516	-2.7778	0.752991	-0.47983	0.926208	1.13809	0.926208
-0.54196	0.571136	-2.98822	0.202789	-1.15616	-0.11893	-4.64777	-9.68622	0.301331	-9.68622
-1.29691	1.71576	5.06067	-2.69128	-2.48309	-1.82776	-1.16397	-4.34592	6.8782	-4.34592
2.28717	-1.9191	-2.30276	-2.65485	-2.52277	-3.63327	-4.40128	-0.62491	-2.0817	-0.62491
2.37808	-2.33139	-6.18967	0.427368	0.125702	1.6897	-4.37781	-6.08618	-2.4393	-6.08618
-0.80502	2.23621	-5.3443	-1.9765	7.91E-02	1.47888	1.18024	-1.80698	-2.17587	-1.80698
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-1.35532	-0.34793	-1.64282	-1.37256	-0.17435	2.03427	1.51639	-0.23639	-0.41434	-0.23639
0.345123	-1.1582	-2.88812	-2.21899	-1.49323	5.21964	-2.23663	-0.99811	-1.79791	-0.99811
0.205719	-0.33859	-1.38571	-1.20187	5.54575	-2.57663	-2.21918	0.421051	-2.16296	0.421051
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-3.11295	-4.17487	-1.64859	3.69638	-1.69955	0.544891	-2.54456	2.38998	0.144653	2.38998
-8.81E-02	-2.37283	1.75714	1.40692	-1.7561	-4.11563	-1.82587	-3.40732	4.19531	-3.40732
0.583771	-3.32162	-0.98795	-1.55075	1.78894	-4.04578	2.30151	-0.75061	6.3399	-0.75061
-0.6189	-2.7713	-5.02444	1.84558	-9.09E-02	-0.353	0.6586	-1.00818	0.969116	-1.00818
-0.97281	-0.8812	-1.98239	-0.86401	-0.64493	-1.89612	2.87411	-1.86407	0.684753	-1.86407
1.18488	-1.28723	1.77078	3.27E-02	-1.67883	-1.77063	3.03662	1.16879	-0.7829	1.16879
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-1.00482	-1.47675	-2.09891	-1.33807	-2.16574	-0.30542	-2.1564	-1.49109	-3.30853	-1.49109

-1.43149	0.446075	-0.56183	-0.2164	-1.71695	-1.21277	-2.39682	0.56012	-3.53079	0.56012
-0.66959	0.500092	-3.27722	0.93512	-2.98425	0.995667	-0.71188	-2.11835	-0.65738	-2.11835
-0.25043	-0.47031	-0.97156	-3.45413	0.83963	0.338745	-0.76587	0.965271	2.4978	0.965271
0.200958	0.369873	-3.33151	-2.36676	-4.72781	-1.62811	-1.60443	0.363403	-0.80463	0.363403
-3.48685	1.71503	-3.25272	0.913879	-0.54767	-0.23093	1.10162	1.62549	1.72894	1.62549
-2.61871	-4.68533	1.95E-03	-0.40649	-3.1265	0.932159	-2.07507	4.603	6.54312	4.603
0.719971	1.30878	-2.41577	-3.48224	-4.67566	1.75864	-2.97168	5.21329	3.65271	5.21329
-0.9415	-1.216	-0.16895	-0.24173	-3.21811	2.59E-02	-3.5065	2.34671	5.28931	2.34671
-1.00351	-1.27921	-1.03799	-2.3107	-0.97693	0.981476	2.12042	-1.15408	0.446533	-1.15408
-0.33673	-1.22266	-2.68402	-3.57483	-2.76611	2.28909	-0.10568	1.05328	3.04388	1.05328
-1.37369	-0.58356	-0.80203	-0.88742	-0.13083	1.50357	-0.51556	3.71484	-1.51349	3.71484
-0.45932	-1.42505	-3.24762	-1.51639	-0.97903	0.743683	4.92E-02	0.185822	4.51E-02	0.185822
-2.12827	-0.51041	-1.20062	-2.3927	-1.29092	-0.21448	-1.24612	1.6843	-0.3732	1.6843
-1.37598	0.776703	-1.09583	-3.91345	1.00146	0.390778	5.63E-02	1.61105	-0.34937	1.61105
-0.44852	-0.68921	-0.32336	-0.40924	1.21805	2.99625	-1.44727	0.709076	-0.94492	0.709076
1.51828	-0.953	1.51468	1.85703	-0.73871	-0.82321	0.629364	-2.96851	0.365265	-2.96851
-0.79755	-0.60718	0.444397	1.97598	0.188843	-2.86511	4.27982	-0.66229	-0.35147	-0.66229
-0.95981	-0.85013	4.00424	0.358704	-1.194	-1.05203	1.60663	-1.16321	0.52182	-1.16321
0.578278	-3.4765	-1.75507	2.39807	-1.02878	-1.15765	1.89523	-1.1221	-3.88507	-1.1221
1.8497	3.33789	-1.00717	-1.04474	-1.64432	0.484497	-1.2536	-2.33707	1.0799	-2.33707
0.921478	-1.2915	-2.91071	-3.36252	-0.71622	-3.70132	-0.86786	-2.26678	1.55295	-2.26678
1.60837	0.651367	-0.20261	-0.772	-1.02823	-0.60242	0.684509	0.167786	-1.27881	0.167786
0.355713	0.29834	-0.65094	-0.86984	-0.65915	2.5777	0.866455	2.92093	1.61981	2.92093
0.219574	-0.33243	-0.53522	-1.78656	-1.74243	2.77768	0.338287	1.35471	-0.48453	1.35471
-9.09E-02	-1.11142	-1.99973	-1.1647	1.86E-03	0.52182	0.173584	-2.32608	-2.06119	-2.32608
-4.66E-02	-2.17191	1.30838	-4.97006	-0.20096	1.50076	-2.89789	-0.74576	-0.81287	-0.74576
-0.57172	-0.49509	3.55432	-3.72763	-1.12335	-2.16016	-2.10645	-0.60022	-1.646	-0.60022
-0.94504	0.232269	2.77448	-2.98636	1.07687	-0.97583	0.136169	-0.33221	3.62607	-0.33221
-2.99347	-2.69138	0.390808	-3.10001	0.225952	-3.18423	0.943634	-0.50009	2.74863	-0.50009
-3.53891	-2.48575	-0.17304	1.19281	3.20819	-2.04004	2.80573	-2.59012	2.94232	-2.59012
-2.92474	-5.2774	-3.64716	-0.89224	2.04483	-2.04938	-0.92539	-0.62112	-0.97769	-0.62112
2.3714	-4.42471	-0.10645	2.16125	-1.2666	-4.84158	-1.3916	2.06064	1.45801	2.06064
1.38419	-2.01761	-3.09988	-2.18521	-0.50382	-2.82654	2.16223	0.314301	0.801147	0.314301
-1.47052	-0.11594	-0.41193	-1.99863	-0.44751	-2.72E-03	2.01483	0.266083	-1.34192	0.266083
0.207397	-1.39148	-0.45416	7.78E-02	-1.26593	0.470673	-0.11655	-2.01398	-1.37729	-2.01398
-1.52872	-1.14893	-5.30E-02	-0.32889	-1.05716	3.58667	0.860596	7.45E-02	-1.14233	7.45E-02
-0.87219	-0.7294	-1.53683	-1.83621	-1.30765	1.61295	1.40298	-0.89609	0.401001	-0.89609
-2.3082	-0.27481	-3.30612	-2.25357	4.58E-02	-0.47263	-6.38E-02	8.79E-02	-2.32986	8.79E-02
-0.25842	-2.1171	-3.47397	2.78165	-2.72968	-2.90305	-1.09595	0.324585	-2.14999	0.324585
-9.03E-02	-1.08142	-0.51801	2.50134	-0.3746	3.70129	0.29245	-2.3913	7.81E-02	-2.3913
-2.84055	0.977722	-3.10782	0.38028	-0.89117	-0.99521	1.65524	1.79959	1.66125	1.79959
-2.4765	2.44556	0.69635	-5.9072	0.411102	-6.80655	2.44061	-3.77762	2.63443	-3.77762
-0.49902	-3.96701	-3.32675	-2.17303	1.49542	-1.31265	5.21042	-2.9024	-4.0459	-2.9024
-2.69	-2.1037	-1.17636	-3.11475	1.83951	-2.15088	4.24609	1.12643	3.5694	1.12643
-1.21912	-0.73352	0.213104	-3.32971	-1.61133	-0.66144	0.573517	-0.51718	-8.54E-02	-0.51718
-0.63312	-1.01166	-0.34473	1.01947	-1.49991	-1.11871	-1.79507	2.7066	-0.39133	2.7066
2.69E-02	-2.41776	1.68906	0.403656	-1.24002	1.14749	1.09265	0.940338	-0.48718	0.940338

-1.03E-02	-1.12845	-1.84271	-1.21158	-2.92456	-2.16931	1.67209	0.807709	1.07999	0.807709
1.69653	-1.16483	-3.80045	-0.10101	-2.11655	-0.37268	-0.50742	-1.85599	1.67261	-1.85599
0.712097	-1.02969	0.558594	-0.22748	0.958435	-3.61453	1.87653	-0.83856	-3.09E-02	-0.83856
0.223785	-0.18271	1.45514	-0.88544	0.505127	-4.54114	-1.57227	1.55008	1.08881	1.55008
-0.15692	0.722473	-0.78192	-0.84018	-3.3912	0.112366	-2.17035	-0.81052	1.24057	-0.81052
1.40564	0.960419	-0.354	-4.80771	-4.69717	-0.51471	0.85144	1.06641	3.29605	1.06641
-0.84811	0.553375	3.39087	-1.08267	-3.56909	-0.35074	-3.95639	-0.84491	1.42523	-0.84491
2.56107	0.184998	-0.62555	1.12497	-7.79086	-5.57245	-0.31049	-0.72012	3.80E-02	-0.72012
-1.70352	-0.24759	-1.33847	0.188477	-1.75342	2.32751	0.676178	-3.30E-02	1.65332	-3.30E-02
-1.9024	-1.08441	0.153595	0.541107	0.507568	-0.42075	-3.51208	-1.67419	1.08755	-1.67419
-0.86371	-0.18234	2.52267	-2.1517	-0.42691	-1.44321	-0.63077	-2.52322	4.9079	-2.52322
-0.7352	-1.32306	-1.61206	-2.69193	0.561676	1.02859	1.79465	-0.69678	2.21112	-0.69678
-0.20313	-0.17365	-0.68533	-2.19107	-1.29803	-0.36502	-0.10809	1.66663	2.47388	1.66663
-0.91519	-1.14722	-0.62003	-1.24979	-0.41943	-0.79126	-0.98721	-0.74329	0.823303	-0.74329
-0.21109	-0.81149	-0.20221	-0.64258	2.96616	-1.21625	-1.86258	2.39365	1.54172	2.39365
-0.20551	-9.01E-02	1.18283	-1.46234	-0.80466	0.760742	0.994232	0.129089	-0.6282	0.129089
-2.64203	-2.4931	-0.59381	1.56564	1.77728	0.551392	2.38885	1.97238	-5.30182	1.97238
1.90845	-2.02588	-0.5369	0.17627	1.94125	-0.51782	1.20224	-0.82221	-2.18085	-0.82221
4.05048	1.50388	0.762848	1.98001	-0.82321	-1.50055	-0.30707	-0.53772	-7.59158	-0.53772
1.06638	1.58719	2.39755	-0.88403	-4.84998	-2.90598	1.19003	0.834381	-0.6839	0.834381
1.8443	4.49E-02	-2.07907	-2.31903	-2.96011	1.1485	1.93109	2.74344	5.6976	2.74344
-0.63281	-0.40842	-2.83679	-2.0062	-1.20752	2.68475	2.01251	-2.7193	1.34723	-2.7193
0.596863	-1.09143	-1.75952	-1.07193	-0.39673	-0.78223	-1.05249	1.11618	-0.24521	1.11618
0.964691	-1.17407	-1.84644	-1.21542	0.403473	-0.92392	0.540955	1.25122	1.38382	1.25122
-0.42053	0.107971	-2.81293	-2.70657	-1.28696	0.309387	1.76581	1.44672	0.605377	1.44672
-1.47369	-1.17642	-0.84793	-2.62289	-1.93292	-1.84036	0.869568	-0.12738	-0.18411	-0.12738
-0.5654	-1.59448	-0.88672	-1.84335	1.13425	-1.01175	2.24451	-2.96274	-0.72577	-2.96274
-0.90762	-2.08481	-7.25E-02	2.25E-02	0.202942	-1.07526	-2.71616	1.57358	0.451904	1.57358
-5.25482	-0.20783	1.17569	-1.01859	-2.95471	3.42117	0.437958	-0.4845	-4.34E-02	-0.4845
-6.98166	0.480927	0.143005	4.18289	-7.70685	2.74127	2.60693	-3.65579	-0.71707	-3.65579
2.46628	-3.41803	-6.37164	2.08801	1.44479	1.38086	0.28302	2.67587	5.69312	2.67587
0.968658	2.7825	-4.14056	0.624176	2.82693	-2.30426	5.80884	2.43259	4.80063	2.43259
1.2912	2.3884	-3.58E-02	-0.72333	3.38339	0.267395	2.2785	-0.28418	4.72952	-0.28418
1.1496	-0.3425	0.434204	-0.62161	1.22409	-0.56744	0.357819	4.0347	-4.11105	4.0347
0.249969	-1.48965	-1.31482	0.367279	0.526184	1.02338	2.38501	3.15219	-2.3696	3.15219
-3.35968	0.216827	-1.35815	-1.55692	-0.15344	3.84998	-0.85877	1.82465	0.615509	1.82465
-0.46591	-1.65E-03	-4.43E-03	-1.73459	-0.80664	-0.49213	0.521301	2.12302	-3.42691	2.12302
-5.92E-02	-2.09003	-1.85632	-0.72711	0.108459	-2.35468	0.333771	-4.27E-02	-1.6788	-4.27E-02
-1.164	-0.59808	-0.26202	-4.10208	0.297852	0.72406	0.804016	0.667542	0.99231	0.667542
0.465088	-1.3548	-2.21017	-1.27405	-2.03577	1.43497	0.86734	0.442078	-0.77652	0.442078
1.20767	-0.6405	-1.88101	-1.38638	1.19769	0.933868	1.64725	-2.40289	-0.77432	-2.40289
0.408142	-2.98477	2.6702	8.68E-02	0.720032	-1.05222	2.16293	-4.9455	-1.31454	-4.9455
-1.92023	-2.09705	-0.42575	-1.51617	0.401794	-1.11755	3.57791	-3.0686	-2.52597	-3.0686
0.173553	-3.13391	0.169952	-3.23013	-0.93887	-3.53845	2.44843	-2.98611	2.86731	-2.98611
-1.94882	0.750183	-3.48456	-2.76053	-5.69821	-1.95258	3.7695	-5.92017	-7.02E-04	-5.92017
0.714905	-3.5416	-3.0401	-0.44992	-0.9205	0.919556	2.85254	-4.8201	-1.44907	-4.8201
0.281464	0.11557	-3.03241	0.98938	1.30008	2.37509	-0.10049	1.0976	-2.10931	1.0976

1.29602	-0.97418	-2.28305	-0.34753	-7.67E-02	1.57547	2.09094	0.179535	0.73291	0.179535
0.18576	-0.68073	-2.76813	-0.61939	-0.77304	2.1792	3.85818	1.09232	1.13187	1.09232
-1.18137	-1.0249	-2.13553	-1.9993	-0.37265	1.23035	0.269073	0.719818	1.61581	0.719818
0.162415	-1.52411	-1.02322	-1.62766	0.675751	0.845764	-0.23407	-2.85214	-1.69028	-2.85214
-0.87692	-1.85001	-2.76917	-2.70804	-3.51996	6.81E-02	1.52625	-1.14841	0.733704	-1.14841
-2.27713	0.217773	1.29849	0.209534	1.62039	-3.92133	2.70636	0.531586	3.05948	0.531586
0.227448	-0.31146	2.06448	-0.72253	0.528351	-0.93173	1.08594	-3.70541	4.87674	-3.70541
-1.54883	-1.90024	-4.99234	-0.27777	-3.677	-0.60873	2.64612	-0.68271	4.71793	-0.68271
0.648163	-4.0235	-1.80536	-1.08725	-1.73798	-1.41037	3.08691	1.96948	0.415527	1.96948
1.3349	-6.65051	-2.24606	-1.61432	-1.2941	-4.00919	7.3335	-1.43008	-0.54868	-1.43008
-1.50531	-0.90952	0.322906	-1.61099	-2.32812	6.38E-03	-1.38959	0.362427	0.767853	0.362427
-0.88492	-0.62524	-0.3009	-2.38501	-1.66693	1.29507	4.27E-02	0.197998	-1.8963	0.197998
0.122406	-0.29816	-1.07043	-0.53653	1.36057	-0.52783	3.16745	-2.52527	-0.33017	-2.52527
0.301788	-0.62375	-0.20941	0.618713	-1.73184	1.21158	3.50339	-1.44418	-1.27042	-1.44418
-0.15378	0.136688	0.515381	-1.57559	-1.10452	3.63333	4.77E-02	-1.72809	1.7507	-1.72809
-1.4025	-1.67859	0.773499	-3.43417	-0.40234	3.09546	-0.2786	-1.20334	3.06003	-1.20334
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-9.14E-02	-0.1405	-1.22372	-1.51648	-1.27332	3.39658	-1.92493	-0.44641	0.977692	-0.44641
-1.32507	-1.87607	-4.71802	-0.11292	-2.69604	1.41177	-0.40598	-1.6181	4.01614	-1.6181
-2.0072	1.95587	-3.65805	2.81E-03	-0.75391	-2.16556	-6.77E-02	0.523376	9.14471	0.523376
1.19116	2.2475	-4.44577	1.71017	-4.16898	-1.03616	3.85861	2.09238	3.2579	2.09238
-1.92361	9.88E-02	-0.79407	-1.26883	0.491486	1.22281	3.10028	2.87732	1.96472	2.87732
-2.5715	0.2612	0.413422	-4.69992	0.613586	4.35828	0.877319	2.40381	2.01035	2.40381
-0.72772	1.64267	-0.71671	-2.71521	0.864563	1.13107	2.229	0.397278	2.5387	0.397278
-0.2644	-2.19125	-1.24356	-3.60974	-1.62955	1.5087	2.02945	3.46872	-0.54529	3.46872
-0.48312	-1.67163	-1.62561	-1.30328	-0.86685	5.41458	1.18579	2.14462	0.862579	2.14462
-1.03088	-0.38361	-4.66E-02	-1.30569	-1.51575	1.28613	-1.35303	-0.4155	-0.54749	-0.4155
0.97702	-0.724	-3.45541	-1.78516	-1.36057	0.595459	-1.15707	1.11703	1.30273	1.11703
1.14627	-1.17331	-0.58368	-0.94165	1.10794	-2.20474	0.832855	-0.83701	-8.10E-02	-0.83701
-0.55734	-2.94223	1.539	1.64432	-0.12473	-2.19254	-0.25464	0.400909	0.169373	0.400909
-6.96497	-4.76318	-0.14432	-1.43991	-1.55655	0.413086	0.202942	-2.86441	6.73935	-2.86441
-0.80823	-6.75293	1.95474	2.31512	-0.28449	-2.00604	-1.09686	0.761475	-2.36469	0.761475
3.29446	-6.98871	3.42374	-3.58325	-1.92886	1.31433	-0.94046	3.616	-6.0907	3.616
0.310974	-2.7634	2.16293	-2.66382	3.776	-1.16718	0.112579	4.33673	2.47562	4.33673
0.318695	1.23239	-0.55148	-0.90372	-0.20993	-5.03763	-0.75348	0.877625	0.68634	0.877625
-1.01804	-0.98355	-2.36072	-0.36331	-0.83371	-0.35071	0.890411	0.353394	2.12228	0.353394
-0.21161	-0.48956	-1.73706	-1.82834	1.03577	-0.33572	0.871857	-0.44617	1.52072	-0.44617
-0.52463	2.03836	-0.77673	-0.66019	2.29E-02	0.433472	0.997711	-0.57809	2.12567	-0.57809
-2.23029	-0.22781	-4.05603	-2.72739	-1.80664	0.126129	0.416077	-1.73499	0.788086	-1.73499
0.323608	-9.42E-02	0.112976	-2.27658	-1.81595	-1.44275	-1.83118	-1.38275	7.96E-02	-1.38275
-0.92981	-0.15421	0.650146	-2.39554	-2.84088	-3.67E-02	-0.22076	-0.32211	-1.30621	-0.32211
-2.09152	-2.35373	-1.1373	-2.28558	-3.25E-02	2.10678	-1.15375	0.53479	2.71786	0.53479
-0.63995	-2.75507	-1.79471	1.69128	-2.29776	1.03119	-1.24838	-2.85309	1.52216	-2.85309
2.82938	1.32385	4.10165	0.323303	-6.0174	-0.81924	-3.05539	2.19089	-3.12128	2.19089
2.52267	-2.569	-0.93747	1.47476	-1.97968	-1.25525	-0.43427	0.536591	-7.19467	0.536591
-1.4975	-1.67371	0.299957	4.78226	-2.47141	0.408508	3.56668	2.85272	-5.89E-03	2.85272
-2.50E-03	1.73358	-3.39609	0.944702	0.639069	1.91345	-0.25668	0.17041	3.72354	0.17041

-1.83923	-2.62213	-0.8822	0.237183	-3.24643	0.848083	2.12482	2.00528	-0.6738	2.00528
-2.16849	-0.60236	-1.46014	0.983185	0.437469	0.170288	1.92844	-0.42007	2.46024	-0.42007
-0.44284	-2.23984	-1.15991	-0.59839	1.86655	1.09799	3.44849	-2.33859	2.51578	-2.33859
-1.51718	-1.34311	0.129761	-1.00159	-1.44522	2.09854	4.29529	2.13272	0.205414	2.13272
-0.18829	-0.98309	-0.46771	-1.39957	0.824463	-0.14475	-1.15237	2.58E-02	1.09991	2.58E-02
1.1207	-6.95E-02	-2.23938	-2.63486	2.81055	-0.70065	-0.31995	-1.69131	-0.97241	-1.69131
-0.17593	1.25778	-2.8349	-0.67667	-0.93112	-1.27521	1.71777	-0.49762	2.27798	-0.49762
0.254547	-1.03278	-1.35681	-0.46213	-1.60986	-2.10141	-2.05E-02	-0.10849	-2.61765	-0.10849
1.8844	2.53705	-1.76276	5.18143	-1.0845	-5.54083	-0.67728	-2.64981	2.45801	-2.64981
-4.07953	-0.82962	-3.52255	2.76746	-1.74976	2.98672	1.77762	-4.15701	-0.8613	-4.15701
-6.0271	-8.51941	-0.46976	2.79807	-0.19989	-2.49179	3.1557	-4.44919	5.24881	-4.44919
-3.3045	-1.89722	-3.3652	0.357605	0.322296	7.35E-03	1.17111	-3.4765	1.40225	-3.4765
-0.36414	-0.26444	1.85748	-0.48413	0.111267	-0.87192	-0.20657	-1.5683	-1.01932	-1.5683
0.661011	-1.28876	0.704956	-1.53094	1.01355	-0.55783	1.33054	-0.25266	0.272308	-0.25266
-1.24832	0.751068	-1.39682	-0.83527	0.474243	1.98419	0.502899	0.854218	2.03809	0.854218
-1.30008	1.22379	-0.55875	-2.81671	0.779449	0.216431	-0.10211	0.494995	3.15E-02	0.494995
-1.65729	0.768219	5.18E-02	-1.19678	0.50174	1.07745	-0.83087	0.162262	0.839111	0.162262
1.00458	0.113403	2.35452	-2.85846	-1.16388	-1.27893	2.73923	-1.52441	-0.81772	-1.52441
-0.60144	-0.81293	2.16608	-3.11017	1.01318	3.79388	0.962555	-2.05411	0.451965	-2.05411
0.551331	1.54623	3.5322	-5.95581	0.66275	-4.03E-03	-1.03506	0.473999	-2.36395	0.473999
0.92749	-2.33212	2.27905	0.192719	4.89899	-2.84415	2.96722	3.98029	1.88571	3.98029
1.29745	-2.55112	7.39444	-1.41403	-1.18286	2.10983	2.28232	-1.5607	3.77353	-1.5607
-5.70172	0.989105	1.56406	0.306763	-0.28021	3.92581	3.38568	0.738434	6.47372	0.738434
-2.21832	0.230896	-5.20E-02	-2.66681	3.05759	3.38E-02	2.95273	-1.0625	4.06595	-1.0625
-2.66254	1.57495	-0.4227	-0.71213	2.15747	0.88559	0.257507	-1.5033	-2.5094	-1.5033
-2.17029	-1.81818	-1.37674	0.737762	-0.30804	-2.01453	-0.55835	0.373718	1.29941	0.373718
-0.59851	0.151459	-0.87701	-2.30078	-1.69266	8.76E-02	0.775208	-1.06918	1.05188	-1.06918
-0.70017	0.344482	-0.58533	0.153412	0.494873	0.294647	-0.52771	0.623993	-1.28021	0.623993
-0.3475	0.449707	-1.53952	-1.49075	0.233856	-0.39783	-1.78799	-1.39206	-0.19339	-1.39206
-1.88901	-0.1135	-7.48E-02	1.32614	-1.47818	-0.28986	-1.38107	-1.71411	-0.96402	-1.71411
0.329468	-2.28842	-0.9913	-1.68326	-3.04123	-1.04922	-2.57013	2.14868	1.77228	2.14868
1.59064	-2.69327	-0.24951	-2.51462	-6.35464	-0.40872	1.27722	-2.6424	-1.65927	-2.6424
-0.3934	2.71857	0.59137	-2.49399	-3.96811	-2.64813	0.407227	-2.1308	2.74661	-2.1308
1.08066	5.56918	-2.25665	-2.12515	-1.95517	0.395142	1.16422	-3.95401	3.97092	-3.95401
3.07278	1.1911	0.212158	0.219879	-2.9079	-1.37558	2.54169	-1.43448	2.55521	-1.43448
0.211578	-0.2222	0.556915	-0.2312	-1.8446	-1.19803	0.578339	-3.8555	3.67014	-3.8555
-1.99832	-1.51816	-1.84412	-3.1434	1.52676	-0.75391	-3.8801	-0.41992	0.86618	-0.41992
-0.87759	7.19E-02	-0.57224	-2.32254	-0.67822	0.14917	-1.49805	-1.67218	-0.82977	-1.67218
-0.78354	-1.98584	-1.64313	-2.75607	-1.45395	0.12738	0.381409	-0.84598	-1.28201	-0.84598
-1.57977	-2.08472	-3.48523	-3.444	-0.95593	1.77594	-1.75461	-1.76309	0.297791	-1.76309
-1.17679	-0.23889	0.78067	-4.11728	-0.74695	-0.76364	-0.34158	-4.36484	1.28223	-4.36484
-1.57132	0.821289	-1.30936	-3.44415	1.48215	0.114746	0.801941	-3.5166	0.425507	-3.5166
-0.40823	-0.19211	-0.62402	-1.31326	-0.3338	-0.34802	-0.35965	-2.06671	2.88367	-2.06671
-0.99396	-4.52847	-6.27411	-1.98651	0.635529	-0.63654	-5.72E-02	-0.5809	2.94196	-0.5809
-3.22131	-6.63873	-2.90814	-4.28E-02	1.6731	-1.19293	1.30423	-2.47733	-2.25137	-2.47733
-1.42773	-3.65991	-1.88336	-4.58264	2.44904	-1.62137	-3.47607	-0.80951	2.28592	-0.80951
-5.07062	3.40561	3.06744	-2.10364	-1.18051	0.635101	0.983795	-0.34497	2.29691	-0.34497

-3.94522	-1.58191	-1.5224	-0.91861	-2.06613	-0.82233	0.714142	-1.58878	-0.57455	-1.58878
-2.10382	-1.74796	-4.17151	-0.39203	0.748383	0.617188	-0.96069	-0.66571	-2.1564	-0.66571
-1.50378	-1.56E-03	-1.27185	-3.34012	-0.88443	-0.53052	-1.94977	-1.14636	-1.73438	-1.14636
-0.61212	-1.12674	0.298584	-2.44296	-1.30084	0.270874	-0.38339	9.01E-02	-2.27823	9.01E-02
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-0.59921	-0.6618	-1.04047	-2.39304	2.64462	0.491547	1.76434	-0.86731	2.89661	-0.86731
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1.8786	-5.79843	0.293457	0.526703	0.244904	-4.91095	-2.34427	0.412994	0.833527	0.412994
-0.39853	-4.7146	-0.83466	-4.15244	-3.79886	1.71735	-6.74557	-0.1366	0.768127	-0.1366
0.467682	-4.4754	1.24243	-5.77E-02	-2.14151	-4.93E-02	-1.52002	4.84692	2.94592	4.84692
-1.4411	-2.397	1.2728	4.22E-02	-1.67191	0.516571	-0.38837	3.15942	1.50955	3.15942
0.200867	-0.46976	-2.77481	-1.75882	-1.11954	-1.11902	-2.34918	0.771576	1.17587	0.771576
-0.7283	-2.34946	-0.35693	-2.30054	1.38916	0.280182	-1.06274	0.929443	0.674133	0.929443
-1.17303	-1.10052	-0.5321	-1.68848	1.02115	0.13858	-2.2485	-1.51477	3.35489	-1.51477
-1.47949	-0.2601	-1.43173	-1.91641	0.956177	0.610535	-2.64481	-0.69708	2.47809	-0.69708
-0.98468	-2.85E-02	-0.82602	-1.50098	-0.73666	2.08325	-0.35547	-2.98105	1.12894	-2.98105
-1.05411	-2.00641	-1.10678	-4.33725	1.22363	-2.30084	0.39035	-1.4288	1.79648	-1.4288
0.94577	-0.3876	-0.79202	-5.85898	0.388672	1.21118	0.817871	-1.1611	3.57587	-1.1611
-1.48526	-0.86105	1.24429	0.163788	-3.40387	-0.55103	2.17932	-0.84061	1.50375	-0.84061
-0.72412	-0.30573	-0.88184	1.75223	2.67361	-0.12775	-2.41418	-0.22162	-5.32257	-0.22162
-3.25912	-1.44171	0.991852	-1.51935	2.31293	0.813934	2.96771	-3.52991	-1.74179	-3.52991
-1.79922	-2.29391	-2.34537	-2.83E-02	-5.6058	-4.40298	2.51028	-1.96057	3.55222	-1.96057
1.1481	-0.4238	1.0907	-2.4614	1.10178	-0.32193	-1.39496	-1.54257	1.82193	-1.54257
-0.46643	-1.39923	-0.24863	-1.54343	0.395691	-2.40323	-0.47488	0.116577	0.981476	0.116577
0.46582	-1.27478	0.398346	-0.31644	0.197571	2.31659	0.422943	0.806244	0.217438	0.806244
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-0.73978	-1.3996	1.37476	-2.12561	0.220856	0.444641	-0.69022	0.727295	-1.87839	0.727295
-0.24069	1.02069	0.475494	-1.26617	-0.12616	1.53998	0.966431	0.431458	1.01602	0.431458
0.333496	-0.15601	-3.13885	-2.41666	0.625122	-0.91983	-0.71664	-1.08841	-3.3241	-1.08841
-1.63593	-4.14612	-1.53552	-1.42047	1.14459	-1.61951	-1.91315	-2.17929	-2.34192	-2.17929
-0.68835	-4.91278	-2.0145	1.59207	-1.27075	-3.64731	-0.28488	1.9444	0.635345	1.9444
-3.80801	-3.58923	-3.58524	1.56552	-2.0437	2.30045	1.29843	-3.90942	0.168823	-3.90942
-1.20602	-5.14801	-5.44016	1.84195	-1.00806	-4.12396	7.16623	-1.35699	-3.61517	-1.35699
-1.87872	-6.33551	-0.98877	0.316956	4.11688	0.54892	3.11279	-3.62E-02	1.42331	-3.62E-02
-2.9614	-1.81	-1.38309	1.97668	-1.46252	-0.30624	1.80862	2.461	-1.66315	2.461
-1.70023	-0.58734	-2.97232	-0.88431	1.09097	-2.07013	-0.89267	0.226685	0.271301	0.226685
-0.52881	-1.28308	0.263763	-1.72583	-2.09595	-0.96021	-0.68427	-2.37967	1.30634	-2.37967
1.02728	-0.31973	-1.45703	-1.08649	-1.31476	-1.77151	3.29721	-1.82129	-0.58774	-1.82129
-1.60349	-0.75882	-0.91135	-1.70511	0.28476	-1.73047	0.277191	-0.8634	-0.46649	-0.8634
-2.07309	-1.66528	1.04608	-3.21655	3.26376	-0.71173	0.944031	-0.75946	2.17032	-0.75946
-1.43613	-0.30069	-1.79428	-2.60974	0.143646	1.23126	-3.20657	0.114777	-2.96451	0.114777
-1.25433	-2.47791	-1.83792	1.13712	-2.68811	0.929993	-0.22354	1.3671	3.72498	1.3671
1.56784	0.889343	-2.65939	-4.72382	1.23395	-2.98343	1.18094	-2.99829	2.33334	-2.99829
5.07819	-1.77655	3.26697	1.26633	0.164093	-10.7362	-5.23148	-5.68002	0.946716	-5.68002
-2.68494	-1.19992	4.14014	-0.76975	1.75223	-2.38538	-2.03128	-1.66672	-0.7381	-1.66672

-3.50461	-3.2562	-1.44937	-1.69052	-3.01572	-0.58658	0.807678	-2.20358	-2.25098	-2.20358
-1.91812	0.532104	-3.70358	-0.9736	1.0676	-4.71744	-0.57639	-3.35129	-1.31436	-3.35129
-5.25E-02	1.73987	-0.76541	-2.50241	1.77777	-2.15683	2.86633	-1.4205	-0.19843	-1.4205
-0.1777	-1.93927	-1.86786	-1.31113	1.16776	-2.7496	3.59033	-1.40778	-2.24689	-1.40778
-1.12314	0.124481	-2.42661	-0.54437	1.07E-02	-0.71573	4.11578	-3.31747	1.32928	-3.31747
-0.88519	-0.65201	-2.19824	-3.4209	-1.12665	-1.42618	0.850677	-3.32098	-0.8212	-3.32098
-0.2186	8.50E-02	-3.17291	-2.12668	-1.72644	-1.70993	-1.45978	-0.75324	2.30283	-0.75324
-2.21613	-0.57349	0.923035	-4.52045	-1.82266	0.653442	-1.16656	-0.77393	2.45398	-0.77393
-0.63153	-0.33603	0.231293	-3.30246	-3.79562	2.20679	2.40967	0.159088	0.305573	0.159088
1.42804	-1.25427	-4.46E-02	-4.46091	-0.86005	-1.40561	-2.42538	2.5318	5.62885	2.5318
0.571686	1.08395	3.99594	-4.07797	-1.3089	-4.11014	-0.66489	0.229797	4.75742	0.229797
4.40967	0.551483	2.00745	1.65717	-0.54135	3.27444	1.95392	-1.56	-2.09317	-1.56
2.6857	-2.77701	0.96344	-0.86432	-0.41351	0.70282	4.40E-02	-0.30249	0.447815	-0.30249
0.291382	-0.56039	1.07751	-3.40381	-1.95673	-0.96863	0.171631	-1.25497	-0.23566	-1.25497
0.607666	-0.40854	-2.30441	-0.91223	-1.15741	-1.64423	2.53931	2.27719	0.904297	2.27719
-1.52728	-1.13928	-6.39E-02	-2.06644	-0.24973	-1.44852	5.34E-02	1.64444	0.34082	1.64444
-0.93991	6.37E-02	0.48999	-2.14926	-2.16266	-0.67893	1.1427	0.881317	0.436371	0.881317
-0.15198	-1.35522	0.618774	-1.0296	0.468475	-2.42548	0.836792	0.620392	-0.60419	0.620392
-0.85428	-0.25198	-0.44672	-3.49158	-2.43314	-1.59085	-0.78537	-1.20667	2.01044	-1.20667
9.49E-02	-0.63629	1.90204	-2.62985	-2.82697	-4.29135	-2.12717	0.379791	0.997803	0.379791
-1.94083	-0.15863	-1.84772	-1.05356	0.332397	-0.16003	-1.18533	1.09241	1.52878	1.09241
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-5.33652	-5.33984	-9.89E-02	-2.65158	-2.04501	0.648468	1.78232	2.33899	-2.4968	2.33899
-0.36594	-1.33582	-6.72156	0.256653	-3.35236	-3.17618	3.52841	3.19669	0.947205	3.19669
-1.52951	-1.1156	2.56375	-2.70123	2.5571	-1.60489	4.29938	2.42703	0.410309	2.42703
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3.37E-02	-0.30734	0.125397	-0.34381	0.455078	-2.90601	-1.33777	2.27298	0.129883	2.27298
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0.346863	-1.00912	-1.54141	-1.28998	-0.18506	0.291779	1.91449	1.36441	3.31497	1.36441
0.854126	-0.3804	-1.90594	-2.8403	-2.45493	-1.15405	-0.14124	-1.00809	-0.89941	-1.00809
-0.5737	-0.2767	-0.10111	-2.27588	-3.46286	1.60306	1.12402	-0.13086	-1.13068	-0.13086
0.881897	1.74741	-2.10016	-4.22113	0.670624	-1.74414	-1.18646	2.21979	1.82779	2.21979
1.25217	-0.591	7.35E-02	-2.99039	-0.10123	1.06009	-2.92743	1.1817	5.29626	1.1817
-1.24554	1.07413	-2.47562	-2.5704	-6.70477	3.45978	1.33853	1.70889	0.75174	1.70889
-3.94992	3.11966	-1.15155	-0.42429	0.720001	0.650543	-0.90228	2.27039	3.59662	2.27039
-3.39743	2.02029	1.91165	3.23E-02	-0.51895	-5.23535	1.29163	-1.78012	1.87082	-1.78012
-3.80362	-2.1355	0.440857	-2.41174	-0.38089	1.12442	1.95108	-1.33386	2.5856	-1.33386
-2.20541	0.6073	2.18402	0.491394	0.592072	2.18655	4.93E-02	-2.75607	2.82205	-2.75607
-1.50974	1.24756	-1.45352	-1.96362	-0.15363	-0.44223	-0.93958	-0.10001	0.800201	-0.10001
-2.44058	0.302643	-1.08633	-1.70483	-2.63843	1.58038	1.75565	1.81274	3.02222	1.81274
-0.42554	0.86377	1.49628	2.64E-02	-0.17386	1.17807	1.79541	-0.29749	2.89236	-0.29749
-1.58218	-0.14871	-2.73254	-2.0582	-0.71112	0.150421	2.39969	0.104095	-0.4635	0.104095
-0.48929	-0.60809	-0.73401	-2.92557	3.04294	1.74295	1.57852	-1.89786	3.19531	-1.89786
1.52469	0.636688	-1.05847	-1.17343	-0.13327	0.671448	-0.16287	2.13177	-0.45032	2.13177
-7.02E-02	-0.52521	-3.87302	-0.99149	0.389893	1.21518	-0.86765	-5.01E-02	2.53598	-5.01E-02
-2.35367	0.35144	-4.33881	-1.36832	-1.22256	-1.04132	1.01974	0.748108	4.91003	0.748108
-1.21362	0.755463	-1.23984	1.55603	-4.90469	0.457947	2.88971	-0.7066	-3.78387	-0.7066

-0.35992	-0.8642	-2.11725	-1.16174	0.733429	1.20712	-0.51859	2.979	3.22971	2.979
-2.48901	0.116089	0.11853	-0.94553	-0.17459	-0.6048	4.32858	-5.40988	-0.2402	-5.40988
-1.26401	-0.70041	-2.12689	-0.29361	0.641083	-3.30124	-0.86758	-3.6528	1.69803	-3.6528
-0.90793	0.299164	-0.80463	0.727997	1.92459	-1.98441	1.34253	-3.15402	-1.99942	-3.15402
-0.23911	-7.35E-02	-0.97556	-2.80844	-2.14365	-0.30432	2.24664	-3.02087	-1.07419	-3.02087
0.168579	0.96637	-1.05051	-1.59839	-1.26035	-0.74222	-1.1615	-2.49799	0.887268	-2.49799
-0.61929	1.69058	-3.10123	-1.52649	-0.85632	-3.37616	-3.65823	-1.2059	0.194916	-1.2059
-2.63339	0.501099	1.20428	-2.56598	-1.02484	-4.50574	-2.90097	-1.89496	-0.99939	-1.89496
-1.44531	0.861389	-0.18936	-3.87283	-2.31445	-2.02704	-1.51794	-1.22791	-0.50122	-1.22791
-1.08313	0.770386	-3.14243	-3.91428	7.08E-03	-3.72403	-1.31934	-5.38852	1.80899	-5.38852
0.826355	-4.99478	-4.711	-9.93E-02	-0.54236	-3.56802	-0.77136	-4.01889	2.62003	-4.01889
-0.2688	-2.51135	-1.08344	1.75092	-3.30591	-7.42554	-1.49136	0.321075	-2.16287	0.321075
1.63815	-3.83081	-1.29935	-1.16553	-4.02628	-4.98767	-3.29208	-2.9306	4.99841	-2.9306
2.30099	-3.5737	-2.24475	0.333282	0.617584	-3.24298	0.796204	-9.80008	1.34601	-9.80008
-0.44971	-1.2265	0.732605	-3.60971	-3.85602	-0.30414	-2.43457	-7.05618	-1.60617	-7.05618
-1.00421	-0.44196	-1.79202	-3.65302	-1.95773	1.28638	1.39651	-0.5571	-4.0036	-0.5571
-1.44818	0.193939	-1.00073	-1.05222	-0.10205	-1.56543	0.425049	-6.28E-02	-3.17957	-6.28E-02
0.865967	-0.79523	-0.31302	-0.60016	-0.81476	-0.13431	2.35681	2.15283	-2.64914	2.15283
-1.05548	-0.59882	-0.69452	-1.92941	-1.89172	-1.42285	-0.37723	-1.80569	-2.21759	-1.80569
0.295013	0.424805	-1.31763	-1.51605	-1.73486	-2.61523	-0.35727	-2.44556	-1.23148	-2.44556
-0.75263	-1.5105	-2.72977	-3.87344	-1.17987	-1.28833	-1.17746	1.46118	-4.01132	1.46118
0.835083	-1.31363	-3.54633	0.836029	2.07458	0.629883	-2.44104	2.45709	-3.77551	2.45709
-0.98825	-0.69406	-1.81052	1.06619	-0.43765	-3.15482	2.45953	-0.31711	-4.80966	-0.31711
3.4028	-1.95E-02	-0.42184	-0.50317	0.309692	-2.23114	-2.08838	1.0932	-3.66907	1.0932
-1.41443	5.26398	-0.71396	-2.59103	-0.50177	-6.47858	1.31973	-0.22202	0.905609	-0.22202
0.172089	-1.34689	-2.48535	-0.41364	0.757507	-0.91898	0.522003	0.791229	-0.4299	0.791229
0.95929	-1.63602	1.0787	0.12558	-1.70212	1.06027	2.32404	1.3638	-0.91525	1.3638
6.50E-02	-1.79214	-0.75461	-0.79892	-0.58133	-1.31641	-1.1153	0.496704	-2.2305	0.496704
-3.54E-02	-0.89908	-1.34335	-0.23114	-0.40134	-1.52972	4.23303	0.627533	-0.45508	0.627533
-1.65094	-1.30475	-0.86502	-0.54236	-0.54666	1.7692	2.20248	-0.54437	-0.19803	-0.54437
-1.28668	-0.92612	1.21136	2.50281	-0.36884	0.965424	0.884766	7.35E-02	0.947815	7.35E-02
-0.86688	-1.89938	0.334473	-1.37476	-1.31046	-1.29865	-0.26889	-1.21524	-4.47E-02	-1.21524
-1.88382	0.6073	0.81012	-0.64044	0.906219	-1.28384	-1.14346	-1.00931	-0.32211	-1.00931
-2.64792	-2.70911	2.60107	-3.06097	-2.27161	-1.15393	2.83E-02	-0.49512	3.13019	-0.49512
-4.57706	-4.86935	-3.5062	-2.93643	0.982147	0.230774	-2.06668	-0.65842	1.09515	-0.65842
-5.29532	-2.00873	0.109161	2.11533	-2.8291	-0.45355	-2.87418	1.8862	-5.75079	1.8862
-1.70712	-4.4921	-6.12805	0.829468	-0.12958	1.38812	-0.66779	-4.33972	0.673126	-4.33972
-4.14761	-3.74551	-3.48615	-1.00064	2.14178	1.36191	-0.97461	-2.66528	4.93051	-2.66528
-1.02911	-2.64709	-9.81E-02	1.33939	2.36389	-3.29755	0.118134	0.642609	0.827545	0.642609
-0.82523	1.11746	-2.80582	-5.61E-02	1.25049	1.40689	0.290405	-4.91E-02	0.79129	-4.91E-02
-0.76749	-2.05176	-2.24313	-2.05133	-0.62634	0.222595	-0.48776	0.332825	-0.47067	0.332825
0.802765	-0.24484	-1.00702	-0.57419	-0.82245	-0.64591	7.64E-02	1.21921	0.349762	1.21921
-2.35138	-0.42841	-1.15512	0.490112	0.35556	0.240723	-0.59473	0.492615	1.13541	0.492615
-0.6987	-1.35809	0.953583	1.35492	0.512756	-1.96E-02	-2.09338	-5.00E-02	4.07523	-5.00E-02
-2.29202	-1.12979	1.05283	-0.72394	0.517822	0.738342	-0.44925	-0.14462	-0.13611	-0.14462
-1.36664	-0.31781	-0.67841	2.33221	-3.3934	1.51419	2.20E-02	2.71329	1.46487	2.71329
0.200653	1.35583	1.25699	-0.42773	-4.93335	3.22159	-2.87418	-2.56039	5.63513	-2.56039

3.13788	1.03775	-0.29965	1.897	-4.7608	6.26E-03	-5.49649	-2.76782	-1.47028	-2.76782
0.864258	1.11038	0.28775	-3.80145	-7.87726	2.96875	-1.52457	6.93E-02	-6.46957	6.93E-02
-2.59982	0.244598	0.533539	-2.47424	-2.09012	1.01041	-2.40073	2.03943	-2.37329	2.03943
9.53E-02	0.916504	1.91632	-3.05841	-0.83502	-1.03882	-1.26968	-0.21487	1.37E-02	-0.21487
0.264587	2.00885	-9.95E-02	-1.48361	-1.29462	-2.19153	0.63681	1.55148	-0.79642	1.55148
0.235718	-0.97296	-1.59573	-0.16974	-5.21E-02	3.32007	-0.26337	0.577118	1.21024	0.577118
0.318878	-0.48514	-2.87772	-1.52316	0.224548	3.39639	-1.23999	0.795807	-0.42352	0.795807
1.16763	-0.43012	-0.96024	-2.74579	-0.96274	-4.85E-02	-2.39993	-2.06088	0.179993	-2.06088
0.210297	-0.2254	-0.22812	-2.43286	-0.94565	0.968658	0.256714	-2.17926	0.82074	-2.17926
-0.66873	-0.78601	0.786133	-2.13864	-0.63837	-5.97815	-3.23425	-0.96631	-0.75552	-0.96631
-1.75992	-3.86981	-4.38013	-1.15997	-1.95023	-1.03531	-0.74793	-2.86551	-2.24863	-2.86551
2.40793	-1.20096	-1.57321	-1.05893	-3.10806	3.03308	0.335724	-1.14099	-6.49146	-1.14099
1.56E-02	0.818268	-1.96735	-4.87E-02	-1.09799	0.385559	0.10791	-9.68E-02	-0.30597	-9.68E-02
-0.90994	0.673798	-4.52716	-1.23923	-0.75687	0.679932	2.73334	-2.35242	-9.07797	-2.35242
-1.82932	7.64E-02	-0.21085	2.41797	-1.10532	1.9924	0.915192	-4.93167	-1.7709	-4.93167
-2.1796	1.2244	-3.65891	1.59399	-0.14441	-1.54663	-2.48926	-0.7753	1.75043	-0.7753
-0.37561	0.463043	-1.6488	-0.7962	-1.22702	2.71E-02	-0.42477	0.963989	3.5752	0.963989
-1.4494	-1.28E-02	-1.81946	3.04437	-1.71533	0.131195	1.13675	0.338135	2.01413	0.338135
0.928375	1.46075	-0.78033	-4.47E-02	0.124542	1.10709	2.43839	0.466217	1.23788	0.466217
-1.40659	0.705078	0.644073	0.381195	-1.49695	-0.11456	2.77179	-0.98731	-0.73239	-0.98731
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-1.3782	-0.64621	-3.24506	-0.44644	-0.17007	-1.92966	-1.57416	-0.17682	-1.70541	-0.17682
-0.27063	0.226776	-1.61182	0.860931	-1.13562	1.53107	-4.86963	1.02719	-3.42883	1.02719
1.95645	0.274445	3.01291	-1.81003	-0.78885	-3.26874	0.214142	2.40399	3.25595	2.40399
-1.82202	-1.05115	-2.63754	-3.25839	-3.76291	-3.96735	3.77023	-0.9736	-2.83789	-0.9736
-3.23782	-3.65851	3.65063	-0.99304	-2.01077	-4.91187	1.81772	3.9129	1.62512	3.9129
-2.50632	-2.49289	0.708344	-1.88644	-4.14072	-0.7637	1.34518	-1.23776	-1.6813	-1.23776
1.66699	-0.97122	-0.474	-3.13562	-1.00061	-2.50394	1.58511	-1.46069	1.45993	-1.46069
-1.55371	-0.56296	1.069	-2.65152	-1.63211	-3.92E-02	0.16803	1.0195	2.71469	1.0195
-1.79858	0.179321	-0.79694	-1.97073	-0.87613	1.75107	1.32483	1.46973	-0.74399	1.46973
-0.61353	0.59198	-0.13281	-0.11676	-1.78555	2.07037	-0.13071	-0.71939	-2.78943	-0.71939
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1.4892	-0.72958	-1.48633	0.345825	-1.13156	1.80066	-1.95697	-1.79025	1.60211	-1.79025
0.73288	-0.18311	-2.08017	-2.01495	-2.74826	0.101471	-2.65286	-1.93811	-1.89212	-1.93811
-2.26993	0.438782	1.078	1.64264	1.21759	-2.17242	0.451874	-2.82571	0.773376	-2.82571
-3.32767	-2.18387	1.61038	0.382385	-1.31635	-0.70142	1.02444	-1.59509	0.609131	-1.59509
-2.79742	-2.10544	-2.05075	-2.38858	-5.67889	1.09537	-1.18756	-3.99112	-0.37317	-3.99112
-1.56152	9.79E-02	-2.72986	-0.26984	-3.29626	-0.31638	-1.51767	-9.39932	2.83493	-9.39932
-2.13651	-1.30121	4.32996	3.90378	-1.50211	0.56601	6.67258	-2.76508	1.74411	-2.76508
-2.50272	-1.43152	0.586609	0.876892	-1.31201	-0.59103	0.508514	2.95081	1.38974	2.95081
-3.03543	-1.50104	-0.20673	0.186096	-0.73822	-3.57501	0.761627	2.84128	0.206299	2.84128
-0.5751	0.49942	0.598358	-1.03784	1.16046	-3.2449	-0.33777	1.69363	0.253021	1.69363
-0.38113	-0.30063	0.262482	-0.61939	0.986145	-5.50E-02	8.64E-02	3.15451	1.05847	3.15451
-0.68536	-0.89111	-2.09424	-1.01791	5.66E-02	0.54892	-3.07932	-1.93759	-0.43729	-1.93759
4.00E-02	1.0614	0.174774	-1.16858	-5.94E-02	2.88428	0.545105	-0.47214	-3.46646	-0.47214
-2.04492	0.730011	0.674744	-3.36884	0.915924	3.89816	-0.80985	-3.02341	0.166199	-3.02341
-1.05853	-2.7731	-1.26642	-3.14948	2.78189	5.52817	0.64566	0.515381	-0.59573	0.515381

-2.58334	0.410828	-1.56241	1.02707	-2.67917	-0.14743	2.92422	-3.31741	6.92215	-3.31741
0.881592	-0.96143	2.82516	3.60593	-3.55069	-1.47614	2.35602	0.693176	2.22653	0.693176
4.02866	-5.9054	-0.13797	1.54965	-5.35468	0.130249	5.31293	2.22919	4.43973	2.22919
3.2691	-1.50241	7.58E-02	2.22348	-0.53632	-0.16388	1.16388	0.138824	6.66812	0.138824
-0.18091	-2.54062	-2.4422	0.338287	-0.94272	-1.89154	-0.19177	1.17722	1.16324	1.17722
0.469482	0.385071	-0.58063	-3.0426	-1.92001	-4.78021	0.794312	-0.78201	5.92E-02	-0.78201
0.550415	-1.70047	-0.88074	-1.80884	0.438873	-0.93671	-7.60E-02	-2.95386	-1.45529	-2.95386
0.472076	-1.51352	-1.13461	-1.62637	-0.81836	0.15567	-1.08051	0.644623	1.55276	0.644623
-0.19949	-0.6597	-0.95383	-1.15298	0.718262	1.11752	-2.07791	0.590118	2.73639	0.590118
0.7146	-1.06808	1.27E-02	-2.00186	0.233643	-0.50385	-0.20499	0.688354	0.162628	0.688354
6.67E-02	0.286011	3.16562	-1.70624	1.27972	-0.19736	-1.31876	-1.46082	3.18839	-1.46082
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-4.9541	0.14267	-4.17496	-1.64407	0.999908	2.85846	0.670319	-1.58691	2.95862	-1.58691
-3.71454	-4.3696	-6.37726	-1.86755	-4.01297	0.215149	-0.33627	-1.91382	-0.40747	-1.91382
1.61389	0.426483	-6.43246	-1.72684	-1.0098	-2.7536	1.39297	-0.41467	0.941803	-0.41467
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1.09839	-6.74E-02	-1.5542	0.489777	0.507477	3.32007	0.334106	1.5856	-0.88242	1.5856
0.316315	-0.81216	-1.27945	-1.66254	-1.05093	-0.8634	0.571136	2.79242	2.35764	2.79242
-0.70361	1.89E-02	-1.05872	-1.22308	-1.23065	1.98279	2.28909	1.59653	0.146881	1.59653
1.35223	0.730286	-1.42102	-2.06531	-1.14304	-1.27667	1.99469	3.24741	1.4826	3.24741
0.787323	2.492	0.138489	-1.09598	1.63943	0.18985	0.763733	0.934662	1.31824	0.934662
1.28079	0.375702	-1.27628	-0.70206	-0.52615	-0.47653	4.72134	-1.95142	-2.74741	-1.95142
-1.20404	-1.96161	0.870392	5.23E-02	-1.07181	-0.38654	0.28595	-3.91922	-4.42102	-3.91922
2.19754	1.34402	-1.87061	-1.94482	-2.43286	-1.42621	-0.41727	-5.56189	-3.05066	-5.56189
2.21228	-1.76144	2.25916	-8.33E-02	2.78E-02	0.73587	-2.58948	-0.47913	-1.89368	-0.47913
2.89026	-2.14401	1.38904	2.82965	2.38632	-3.82526	0.843536	-1.1416	1.13632	-1.1416
-0.8981	0.611908	0.658234	2.63208	2.88571	-1.78448	-1.84061	0.807312	-2.06848	0.807312
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-2.19772	1.33685	-3.21912	-0.36011	-0.12442	0.369568	0.507416	7.29E-03	-2.72922	7.29E-03
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0.136475	-0.11462	-2.48563	-0.56006	-0.26804	-6.46E-02	0.386902	-0.14499	-2.03021	-0.14499
-0.33099	0.234283	-3.45853	-1.73691	-2.16974	0.800934	-1.25671	1.56711	-1.72668	1.56711
-0.9675	0.501892	-2.92392	-0.75168	1.14804	2.36566	1.87283	0.147339	-2.04877	0.147339
1.06067	-0.85291	-5.39047	-0.63596	-1.25937	-1.48773	-1.48535	0.80069	0.142303	0.80069
-0.84644	-2.38052	-0.91773	1.83972	-1.63031	-0.40714	-0.96915	2.2338	0.700775	2.2338
-4.80106	-1.12888	0.64151	4.16E-02	1.01285	7.91E-02	-1.72507	1.86719	3.12225	1.86719
-2.82532	1.60556	-2.80325	3.01071	-4.03711	0.798157	-0.99188	1.6658	-1.73947	1.6658
-0.26074	-3.21762	-2.28067	1.53336	-2.80667	1.77414	-0.67398	2.10049	-3.74509	2.10049
2.72119	-1.58319	-4.10214	-0.89194	-3.25549	-1.60678	7.26E-02	7.24E-02	-0.68988	7.24E-02
-0.58511	-0.67691	-2.67889	-0.58771	1.58078	0.181152	-1.52878	1.93903	2.53363	1.93903
0.200989	-0.13205	-2.11642	-0.54303	9.00E-02	1.16727	0.985016	0.559784	0.842102	0.559784
-5.77E-02	0.454346	-1.65054	-0.34714	0.450256	1.26309	1.54385	-0.14536	-1.64609	-0.14536
-0.32413	1.06058	-1.80661	-1.27066	0.279144	0.298676	3.49741	0.327332	1.33298	0.327332
0.112732	0.662598	-4.20523	-0.37671	-1.04825	-0.90356	1.60028	-1.71478	-1.40021	-1.71478
-2.0715	1.77441	-2.5744	-1.23166	-3.06284	-1.15915	9.26E-02	-0.40665	3.69E-02	-0.40665
-1.31741	-0.88101	2.50812	-0.24234	-2.20758	-1.96255	-1.18207	0.300873	0.523376	0.300873

-0.35114	-1.41083	-2.67471	0.627838	0.793274	0.316589	-7.29E-02	1.7572	4.34698	1.7572
-1.95575	1.96924	-2.4335	1.06119	-2.15665	-0.94241	1.51822	0.464783	4.62155	0.464783
1.60498	-6.25055	-2.31863	-2.89639	-0.2085	-7.67523	0.399109	0.135681	-0.33359	0.135681
2.02115	-2.3923	-1.75537	1.94595	-1.43027	5.75314	-5.55066	1.95868	4.75403	1.95868
-3.7934	-2.82822	0.382233	2.55316	-3.19781	-1.17529	-1.11142	0.999512	-7.78E-02	0.999512
-2.28122	-0.14151	-3.2399	-0.41361	-0.95422	-1.67145	-0.89166	2.03351	3.15454	2.03351
-1.89081	0.362061	-1.13632	-0.69711	-0.76193	2.04657	1.50912	-2.74152	-9.48E-02	-2.74152
-0.27429	-0.97736	-2.84555	-0.49014	-0.19745	-3.36542	3.34045	-0.80145	-1.30328	-0.80145
-2.15631	-0.69443	-0.73151	-0.86157	-0.44064	-1.18033	2.78159	3.61E-02	-0.91492	3.61E-02
-2.33447	0.136078	-2.44824	-1.14551	-2.07864	-2.14957	-0.10001	-1.34079	-0.13391	-1.34079
-1.3876	-1.1973	-1.83362	-0.95337	0.317535	-2.07825	-0.4809	-2.11456	-2.55447	-2.11456
-1.67783	-0.44229	-2.35358	-0.97086	0.180634	-2.18585	-1.88495	-1.884	-2.03821	-1.884
0.839172	-1.43143	-1.97772	0.133118	-0.58301	-3.74463	-0.19013	2.37268	1.01968	2.37268
-1.41675	-4.42245	1.0517	4.26059	-0.85867	-5.37372	-4.52057	2.6651	9.65E-02	2.6651
-2.60E-02	-1.00165	0.601044	1.9151	2.72672	-5.14334	-3.12106	0.948883	-0.2562	0.948883
-1.18353	-5.28952	-3.55856	0.640259	-4.61816	-4.19907	-3.55978	5.9657	2.0798	5.9657
-1.0184	-4.05829	-0.65726	5.66055	0.794006	-0.95999	-1.01971	2.37033	-3.8656	2.37033
-1.57272	-1.25601	-1.04309	-1.68109	-2.17313	-1.22882	-0.21668	1.00281	2.16855	1.00281
-1.24112	-1.86E-02	-0.4205	-1.17343	-1.64233	-2.86203	-0.57568	0.712677	0.856995	0.712677
0.70401	0.166321	-1.00586	1.31198	-0.92673	-0.14011	2.39163	1.49582	-1.68457	1.49582
-1.87E-02	1.33386	0.842896	-0.83469	-1.76776	1.77307	1.37741	2.35211	-0.95984	2.35211
-0.17847	-1.6532	1.17587	-1.10129	-2.05585	-0.83505	-0.31693	0.600616	-0.48969	0.600616
-0.9028	1.16312	0.669983	-1.09448	1.73584	-3.14282	1.37943	3.68576	-1.16559	3.68576
-1.10092	-0.2923	1.31073	1.13086	-3.47327	-1.86453	-0.59445	8.40E-02	-2.82492	8.40E-02
0.617554	-0.99103	-8.87E-02	-2.09427	3.19168	-0.84842	-2.75943	1.28101	-4.54343	1.28101
-1.77026	-0.12256	5.30719	-0.49973	-2.74835	-6.14124	1.65894	1.54318	4.33194	1.54318
1.15527	2.00928	-2.55106	-2.44287	-2.2923	-0.98483	1.48712	-1.76813	1.90643	-1.76813
-1.04483	-0.965	2.28915	-0.40134	-9.24857	-1.58356	2.79932	5.04868	-4.46347	5.04868
-3.4534	-0.50729	-4.04376	-0.14954	-4.70212	-0.19888	1.81839	3.03412	0.400513	3.03412
-0.80762	-1.20441	-2.92258	2.37628	-0.5744	-1.93234	0.138824	1.59341	-2.58405	1.59341
-1.49564	-0.36154	-0.20642	-2.28021	-2.54922	-1.53723	-2.28049	-0.978	-2.8945	-0.978
-0.63419	-0.98526	-1.74374	-1.32434	4.79E-02	0.311676	0.95993	1.01773	-0.24887	1.01773
1.17157	0.756775	-0.49533	-0.99088	-0.32205	0.166687	1.56479	0.180603	-1.44562	0.180603
-1.51059	-0.33652	-0.86545	-2.10309	0.905151	-1.04956	1.20169	0.316803	-0.9436	0.316803
0.126923	1.76511	-2.47061	-1.69775	0.203339	-1.26523	1.19861	1.66074	-2.99826	1.66074
-0.32773	1.33701	-2.13678	1.51535	2.04333	-1.37985	1.20645	0.994873	1.27631	0.994873
-0.77493	0.668884	0.109497	1.52942	-0.53763	0.294586	-2.67355	-1.56439	1.95016	-1.56439
-3.39417	1.26782	1.4957	2.48398	-2.49527	0.261292	0.844116	-5.72131	5.33615	-5.72131
-0.43771	1.27896	3.81006	3.44452	0.275787	0.128052	-0.63828	1.02438	3.23203	1.02438
-3.03543	3.25919	2.17734	1.40045	1.44443	1.61874	0.353821	0.150177	-7.20547	0.150177
-3.6944	-1.16049	1.30063	-0.68164	4.15369	-1.58829	0.145203	1.96164	5.76691	1.96164
-0.44461	-5.79E-02	-1.9725	1.04581	1.13879	-3.30295	0.648712	0.127106	0.657532	0.127106
-3.06E-02	-0.96735	0.9375	-0.16663	-2.36713	-2.51141	2.32352	-1.2099	0.460388	-1.2099
9.29E-02	-1.67877	-0.28033	-2.13004	0.284058	-0.79062	3.34964	1.72183	-1.38977	1.72183
-1.69913	-1.11462	-0.78363	-1.12036	-0.35086	-1.51053	3.21259	-1.27078	-1.60193	-1.27078
0.23111	-1.685	-1.03885	-2.2605	3.70E-02	-1.91016	-0.90714	-1.87119	-1.51511	-1.87119
-1.3143	-1.87589	-1.91013	0.162628	-2.88495	1.48978	0.864624	-2.52286	-3.10379	-2.52286

-1.90503	-1.36401	2.19495	-1.33914	-1.02576	-0.81073	-0.19745	-1.84421	-0.85211	-1.84421
-2.43674	0.860199	1.07278	-1.01147	-0.78153	-3.01801	1.27646	2.40E-02	0.121765	2.40E-02
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-0.41303	-1.10944	-4.92136	-6.98328	0.468689	-2.75003	-5.03E-02	0.439484	0.729034	0.439484
-3.75003	-3.58752	-0.29755	-5.01895	-10.1544	2.96124	-3.94199	-0.95602	-4.3154	-0.95602
-2.8739	-1.9762	2.10083	0.465057	-2.01172	1.1608	-6.1391	4.28482	-0.56018	4.28482
0.201202	-0.4158	-1.4808	1.6962	0.952271	1.64777	-2.46729	3.84372	-0.17474	3.84372
-1.50272	0.306946	0.635498	-0.21573	0.386292	-0.15714	2.80081	2.80768	-1.90723	2.80768
7.43E-02	-1.27637	-0.35626	-0.81802	-1.53192	0.259583	2.91815	0.131317	-2.75717	0.131317
0.658661	0.172363	-0.30652	-2.10098	-2.95636	-0.10892	2.58481	-0.16629	-0.86432	-0.16629
-0.78537	4.97E-02	0.169067	-1.5509	-0.55945	-0.91147	2.26779	0.335022	-0.24979	0.335022
-0.83258	-0.18008	-2.35233	-0.99338	-1.56976	-2.57425	1.77203	-1.84814	2.58942	-1.84814
-0.43213	-0.6135	2.26004	1.81784	-0.74127	-1.88165	-0.12866	-7.14E-02	1.77298	-7.14E-02
-0.60632	-1.02682	-3.79272	-1.33658	-0.57813	-4.53E-02	0.566071	-1.48801	-4.64822	-1.48801
-0.39667	-1.62128	-2.97879	2.10898	2.82364	-0.85483	1.28214	-3.65509	-3.78827	-3.65509
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-0.53195	1.2579	2.17114	-0.35754	0.290527	4.06082	3.44922	2.3266	-0.96158	2.3266
-3.59091	-1.0889	4.10373	-1.97522	3.81E-02	-0.69669	-0.11792	-4.47748	-2.61829	-4.47748
-2.68561	-2.60E-02	-1.18329	0.214386	-2.76031	-7.58E-02	2.77722	-3.1597	-4.36545	-3.1597
0.34137	0.813263	-1.02762	-0.72601	-0.91571	-2.36972	1.32071	2.61139	-1.8132	2.61139
-1.72049	-0.54608	-1.81775	-0.58942	-0.63574	0.476868	2.96115	-0.71237	-1.51248	-0.71237
-0.13654	8.27E-02	-1.94012	-1.09796	-0.46375	0.481873	3.25128	-1.06769	-1.16641	-1.06769
-2.13107	-0.95203	-0.46173	0.497101	-1.21063	-2.24646	-0.50671	-5.84E-02	-0.62241	-5.84E-02
-0.13919	-0.55481	1.409	1.91904	1.65063	-2.13174	-0.16159	-2.14404	-3.17706	-2.14404
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1.08557	-0.46732	-0.30121	7.23E-02	-0.2323	-1.00021	-0.28494	-3.16769	-0.94373	-3.16769
0.284332	-0.60596	1.64529	2.25189	-0.21216	0.440491	-0.95886	-2.61542	-0.39337	-2.61542
-0.17011	1.25266	1.43475	-1.13968	2.68771	4.07E-02	1.22522	-0.5376	1.12061	-0.5376
4.47546	0.605988	1.81735	5.57135	0.961823	-0.80066	0.967316	-5.02E-02	-1.2475	-5.02E-02
0.414795	-1.43329	-1.12115	4.21777	-1.21109	-0.5629	-0.16522	-0.11398	2.39E-02	-0.11398
-1.49161	-0.4231	-0.89999	-2.90262	-1.47952	-0.76215	3.14084	-1.13358	-2.07047	-1.13358
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-1.75528	-0.3837	-1.59854	-0.90811	-0.32394	-2.32617	0.745483	-3.2543	2.07529	-3.2543
-0.7674	-1.25241	-2.98651	0.422241	-1.53775	0.763672	-0.47238	-0.72916	-0.24017	-0.72916
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3.29276	-2.14743	-2.02213	-1.12378	-1.92673	0.557983	-0.92603	1.26309	0.347473	1.26309
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-3.00372	1.24158	-3.87747	-5.02133	-1.55597	-4.11926	1.27124	1.80719	2.38931	1.80719
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-1.61432	-0.98572	-2.49719	-2.20151	-0.41672	1.85196	4.38043	3.1026	1.22543	3.1026
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0.541992	2.11E-02	-1.07764	-0.82712	1.84845	-2.09702	-9.29E-02	0.58432	-2.27878	0.58432
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1.2399	0.125916	1.2211	-0.62808	0.228241	-1.26224	-0.61029	4.64E-03	-1.13669	4.64E-03
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0.504181	-1.2359	0.467102	-0.12567	1.43777	1.56958	-0.16785	2.89819	-1.91663	2.89819
0.316254	-3.30206	1.11551	-1.57602	-0.77185	-0.90643	0.235016	-0.5798	0.335052	-0.5798
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1.39975	-2.92841	0.142029	-5.40643	-2.28876	-2.55005	7.47E-02	-2.45712	-2.43527	-2.45712
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0.900513	0.261139	-0.17276	-1.04803	1.61136	-0.49863	0.569427	0.952332	1.43893	0.952332
0.403961	-0.38483	-0.37381	-2.12878	0.277649	-0.10541	3.02539	1.4631	0.444183	1.4631
0.13031	-0.50372	-0.28885	-1.5076	-2.32013	-0.68698	3.22607	-1.22958	0.331909	-1.22958
0.950195	-0.33661	-2.0072	-1.69827	-1.06445	0.565948	-0.23929	0.376556	1.21582	0.376556
-0.57401	-0.2161	-0.16556	-3.17593	-1.84457	-0.47604	-0.87885	-0.12732	-1.0015	-0.12732
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1.71616	-4.87436	2.2009	2.62457	-0.76285	-0.95142	-2.93948	0.678284	4.26923	0.678284
2.54559	-2.38315	-2.34265	2.76151	-4.0235	-0.12366	-2.87897	-0.11533	-1.21268	-0.11533
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-7.93433	-0.1026	1.20724	-3.16183	-1.45749	-3.14209	2.3067	-2.12808	1.7269	-2.12808
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-1.11282	-0.95584	-0.77463	-1.05521	-1.04202	0.121094	-1.59E-02	-0.8363	0.26358	-0.8363
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-0.61389	-1.04968	2.31299	-2.75406	1.13736	-0.36124	-1.81647	-0.10535	-0.11469	-0.10535
-1.55203	-0.76669	-0.38306	-9.86E-02	-1.68756	-1.90195	-3.15137	-0.8909	-0.43631	-0.8909
1.07886	-0.8811	1.25229	-2.90338	-8.06711	-3.91962	0.99295	-1.81149	-2.56073	-1.81149
3.05554	-2.76648	-4.3269	-3.26001	-6.03815	-0.99164	2.43262	-0.66769	-3.52167	-0.66769
3.1662	1.99185	1.93625	1.79053	1.3736	0.439667	2.14133	-3.73361	3.48331	-3.73361
1.99405	1.7236	-4.52646	2.95615	1.16812	2.28995	-0.84299	-2.07291	-0.92499	-2.07291
3.63849	-1.9563	0.707336	1.89056	-2.49332	0.425201	3.46298	-0.65439	-3.32358	-0.65439
0.952087	8.03E-02	-2.00928	1.17621	-2.1907	1.48367	0.464539	-2.62457	-0.82575	-2.62457
-0.46631	0.960449	0.142487	0.316071	-1.34683	0.660889	1.80252	-0.80301	-2.36771	-0.80301
-0.30658	-1.01767	-1.07684	-0.29684	-0.32394	2.15277	0.573456	1.98123	-2.01437	1.98123
-1.55524	0.156464	-2.19043	-0.50607	-1.82196	0.111572	-0.98129	-7.36E-02	-1.33313	-7.36E-02

-1.13519	1.07858	-1.27844	-1.4212	-1.84555	0.524841	7.54E-02	-1.24649	1.13449	-1.24649
-1.60181	0.88681	-0.9505	0.356018	-3.62695	0.978851	0.360413	-1.41345	1.67844	-1.41345
-0.61142	0.316711	-1.36057	-0.26205	-0.32547	-0.40533	-1.94165	0.191681	1.8511	0.191681
-1.39514	-1.51761	0.507782	0.973816	1.1521	0.220184	-1.42905	1.51819	0.82547	1.51819
-0.90567	-5.13947	1.8797	-1.29361	0.235535	-1.23071	-5.57257	1.58148	-0.58655	1.58148
0.590576	3.48816	3.17175	1.13922	1.7952	-3.58694	-4.60129	-2.6904	2.61481	-2.6904
3.55276	2.3168	-1.76425	0.929474	-1.43936	1.22275	1.74683	-2.72382	3.16861	-2.72382
1.04568	-2.7439	-1.59857	0.66568	-0.14099	0.177216	1.1297	-2.17117	4.18002	-2.17117
0.323883	-0.37289	1.72711	0.916504	-1.85522	-2.39624	2.25824	-3.19717	-1.13535	-3.19717
0.282471	-1.37656	1.36908	-1.91272	0.744568	-1.67413	2.02991	2.1362	-0.35312	2.1362
-0.4191	-0.51737	-0.75946	-2.10803	1.41678	-0.30792	-1.05154	2.38773	1.59283	2.38773
-0.78622	0.34906	0.308289	-0.67917	-0.40823	0.910187	2.11E-03	-0.70648	1.61237	-0.70648
0.415314	-0.93002	-1.19745	-2.27319	0.732269	-1.18536	-2.60022	1.02591	0.349213	1.02591
-0.6763	-0.17569	-4.31E-02	-0.68497	-1.44376	-2.18573	-3.35037	1.68045	2.63324	1.68045
-1.56613	0.53009	1.04233	-2.13486	-0.16086	-1.55014	0.662445	-1.302	-0.29672	-1.302
-3.15485	1.95E-02	2.2016	0.694641	0.648071	2.88068	0.42926	-0.67831	-0.50061	-0.67831
-1.89536	-0.68338	-4.18869	-3.50601	1.26105	-2.24512	-3.13986	-3.03571	0.255829	-3.03571
-1.40811	3.73E-02	0.226746	-5.93848	-7.57269	-0.27094	0.77652	-1.3255	-0.40118	-1.3255
-1.78064	-1.46381	-2.10275	-6.10165	-7.84747	0.529327	1.25034	-1.5098	0.975128	-1.5098
0.316803	-1.36362	0.296539	4.07907	-3.36761	-0.34909	0.446686	-1.27399	1.63782	-1.27399
-1.1326	-0.41769	-2.81088	2.93729	2.465	1.08856	0.134216	-5.33429	-0.13507	-5.33429
-0.38873	-0.62665	-1.87491	1.86E-02	0.126678	0.524567	0.633331	-0.8992	0.319794	-0.8992
1.04871	-0.59488	0.540649	0.407257	0.418152	-2.59692	-2.00427	-1.25278	-0.57077	-1.25278
-0.97342	-0.80624	-2.12051	-0.13626	-0.68353	-1.86313	1.7504	-0.44379	1.68698	-0.44379
-1.60657	-1.2016	-0.85904	-1.5903	0.127777	-1.77127	-2.38013	0.450592	1.1246	0.450592
-0.67551	-0.59229	-3.63443	-7.53E-02	0.751343	-2.67075	-2.58029	1.66055	0.116211	1.66055
-0.33612	-0.6583	-2.40747	-1.83966	-1.96387	-1.06824	-3.48227	-0.6008	-0.8963	-0.6008
2.01056	0.244171	0.560089	0.492035	0.14209	3.57489	-5.64273	-0.47162	-0.70383	-0.47162
0.118134	-4.40726	1.85141	-0.84171	1.83813	-1.34033	1.45123	0.503784	-6.39944	0.503784
0.102478	-0.77344	5.19437	-1.73279	3.4437	0.452545	-0.58746	3.18579	-1.34659	3.18579
1.45947	-0.36652	5.28375	2.18747	4.66754	4.59195	4.59982	-0.15482	-4.30017	-0.15482
-2.64722	1.40421	4.07275	2.60538	-0.7941	2.88672	0.767181	4.01172	-1.996	4.01172
-0.6666	-2.1084	-3.5737	-2.1579	-0.93393	3.76257	2.10193	-1.52869	-3.06537	-1.52869
-1.40341	-0.52954	-0.1315	-1.27731	-1.86353	1.56879	1.16461	-3.2648	-2.4411	-3.2648
-1.71451	-0.95367	0.102539	-1.88483	-1.70523	1.07068	-1.52475	-0.50797	0.275116	-0.50797
-1.05814	-0.78885	0.102173	-0.20548	-1.86743	1.83109	1.3429	-0.6536	1.50247	-0.6536
0.110718	-7.67E-02	1.20425	0.825104	1.54425	1.65253	-1.07391	-0.81018	1.65E-02	-0.81018
0.233612	-0.8381	3.3107	-0.32718	-0.40964	2.82816	-1.76538	-0.68936	-0.42007	-0.68936
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0.746582	1.42438	1.29468	0.567017	0.684387	1.68268	-1.96573	-0.16901	-1.34763	-0.16901
-3.19855	-1.45605	1.46149	-2.99902	-0.61475	-5.62921	-2.65036	1.93689	-5.26306	1.93689
-1.25	-4.65875	0.304565	1.92252	1.15671	1.95004	-1.10876	1.28918	-1.31509	1.28918
-2.23203	-0.3342	-0.41687	-2.53564	-0.97937	-9.45E-02	-2.16E-02	-0.28952	-2.54788	-0.28952
2.194	2.31311	-2.53867	-6.84E-02	-3.83472	-0.69659	1.67328	-4.66608	2.4935	-4.66608
0.630493	-2.03342	-4.17108	0.413696	0.850189	0.492371	-0.38626	-6.3718	1.03925	-6.3718
1.17477	-1.45914	-1.29941	-0.94772	-1.04633	-0.34213	0.428711	-9.70E-03	-0.68512	-9.70E-03
-0.7265	-1.73096	-1.04984	-1.24713	0.624268	-0.90161	1.72284	-0.63165	-1.30557	-0.63165

-0.53653	4.98E-02	-0.13242	-1.50607	-0.22723	-0.52521	0.36441	0.194916	1.51138	0.194916
-0.60388	0.562195	-1.85144	5.73E-02	1.35828	-1.67578	1.23657	2.11639	2.2113	2.11639
-0.3436	0.332397	1.7403	-1.59088	-0.77594	-1.59692	-0.21619	-0.81924	-1.30539	-0.81924
-0.12253	-2.54129	-0.39407	-1.27625	3.61713	-3.18823	2.45233	-1.60172	-0.66391	-1.60172
-2.36633	-4.48453	-0.51181	0.769043	-1.58292	-1.35901	1.09186	-1.33832	0.667084	-1.33832
0.872253	-2.06396	0.380585	2.41238	-0.74585	1.56958	0.583038	-2.22171	-0.95676	-2.22171
4.46609	0.495056	1.72705	-0.17288	-4.5202	0.603546	-0.65799	-5.1264	-2.63159	-5.1264
5.98767	-4.39462	-0.76825	1.59665	1.56732	-3.44107	5.10223	2.41678	1.53281	2.41678
-1.78442	-2.52081	4.09933	-2.69034	0.337189	0.852203	3.8273	-2.98666	3.32861	-2.98666
0.615784	1.44278	-2.17859	0.206207	-1.19391	0.373474	-0.75269	-1.63818	-1.51166	-1.63818
-1.54202	6.11E-02	-1.21732	-0.63983	-0.22232	-3.00742	-2.32248	0.506989	0.894287	0.506989
-1.48E-02	-0.22736	-0.60706	9.70E-02	-0.40274	-0.75861	0.677948	0.824341	-1.15619	0.824341
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0.226715	0.514893	0.847565	-1.63809	1.79776	0.411743	-1.39731	-1.35739	-2.90479	-1.35739
8.29E-02	-3.00E-02	2.0611	-1.89487	-1.29666	-1.37595	-1.53027	0.269836	-1.30579	0.269836
1.4502	-1.96051	-1.02716	-1.76096	-0.49167	3.21396	-0.77045	-2.0036	1.41919	-2.0036
0.842682	-1.34003	-0.63751	-2.19067	1.00568	0.978668	-1.64865	-2.20392	-1.40533	-2.20392
0.203156	2.80225	-3.06039	0.59137	6.96E-02	6.29E-02	1.42093	-3.3454	-1.81525	-3.3454
-1.53522	2.14496	3.80954	2.87381	9.49E-03	-0.12955	-3.51498	-2.84711	2.48712	-2.84711
-0.53955	0.457703	3.09714	4.50925	-1.89957	-3.64456	-2.13446	-3.27341	3.52713	-3.27341
-2.0484	1.67789	2.77585	0.843567	1.47198	-1.6282	2.7001	-5.33267	2.142	-5.33267
0.826294	2.51819	-1.8967	-3.42E-03	2.68918	0.404877	-2.46936	-0.82208	-0.54007	-0.82208
-2.36493	0.547546	-1.77301	1.5528	0.947876	0.477966	7.90E-02	-0.99793	0.915375	-0.99793
-0.87299	-1.88336	-0.57684	0.976959	0.391052	-1.11841	-0.52805	-0.85346	-2.00E-02	-0.85346
-1.37204	0.175354	-1.65012	-0.89856	0.92746	-1.83041	0.553589	-2.23929	-1.24002	-2.23929
-1.86658	0.617584	-1.59033	-0.5011	-1.34113	-0.44955	1.40689	-4.14679	-0.31741	-4.14679
-0.47418	-0.43021	-1.73822	-0.38376	0.574158	-3.69434	-2.91849	-0.59854	-1.38849	-0.59854
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1.66913	0.860626	-0.44589	-1.798	-1.61276	2.74188	-0.97977	1.86151	5.73E-02	1.86151
4.73209	-1.86395	-2.74036	-4.07788	-4.16699	-2.20703	-0.79007	-2.64322	4.78473	-2.64322
-1.55594	-7.14642	-0.89847	0.895752	-3.93738	0.755646	3.48404	-2.73071	0.40802	-2.73071
-2.3486	-7.84161	1.00E-02	1.42157	-1.5979	-0.55389	3.62708	-2.54349	1.17831	-2.54349
0.109192	-2.22961	0.180115	-0.79489	1.32098	-2.82104	-2.12076	-0.79327	-0.63644	-0.79327
-0.17493	-0.79456	-0.54471	-1.01102	-2.87424	-2.76282	0.839905	-1.15E-02	0.513	-1.15E-02
-1.44598	0.128937	0.735962	-0.70752	-1.45013	-2.36133	3.09143	-1.62387	1.30502	-1.62387
0.180084	-0.35425	0.435974	-1.07208	-1.44714	-0.9577	1.82971	-0.21188	1.46918	-0.21188
-1.14737	-0.5271	2.18E-02	-1.33969	9.88E-02	-0.68268	1.15118	-1.2804	0.373413	-1.2804
0.496704	-0.99799	-1.92493	-1.17886	-0.84854	-1.42493	2.00821	-0.85925	0.64032	-0.85925
0.286194	-0.11331	-1.71338	0.506561	1.59164	-3.69534	2.25644	1.44418	0.882996	1.44418
-6.55E-02	-0.56912	-3.4942	-0.28967	-3.52252	0.261292	-3.36E-02	0.330688	1.71857	0.330688
-4.52707	-1.09467	-4.8522	0.546082	-0.59885	-1.25E-02	0.115234	5.61E-02	2.04703	5.61E-02
2.8606	-2.86795	0.771759	-3.1691	3.93192	0.409058	0.960114	-1.88193	1.47183	-1.88193
1.12128	-5.10641	-4.21887	-5.08185	-3.89047	1.59653	-7.10E-02	1.49188	1.33243	1.49188
1.87769	-1.52661	-5.23785	-4.84042	-6.03	1.63492	-0.78912	-0.52438	0.688995	-0.52438
-0.69861	0.886292	0.500519	-1.41409	-4.37543	-0.19244	1.05133	-2.03519	-1.21286	-2.03519
-0.32602	1.22885	0.252472	-1.63382	-0.33212	2.57199	0.473022	-0.99011	-2.54221	-0.99011

-9.06E-02	-0.52808	1.70956	-0.46353	-0.79492	2.79568	1.74304	-1.67526	-1.76917	-1.67526
5.99E-02	0.549561	-0.54413	-1.88867	-0.41025	2.12579	2.8378	0.320831	-1.67322	0.320831
-0.64478	-0.88611	1.86417	-1.2446	-0.30545	1.40204	2.25778	0.875519	-1.69119	0.875519
0.624603	-1.2756	1.12949	-2.61688	-1.86954	-0.18863	0.979431	-0.68515	1.04874	-0.68515
2.84	0.743011	1.58014	-2.43216	-0.63327	-0.91333	-0.33405	-0.88413	-1.82352	-0.88413
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-0.38577	1.29144	1.82581	-2.46133	1.54495	1.75348	-2.14996	1.26981	-3.58176	1.26981
-0.45792	-2.75363	1.99835	-4.36557	-4.4483	-0.90424	-3.64618	-2.31711	0.568726	-2.31711
2.47055	-0.5936	2.35654	-5.24954	1.12814	3.68594	-2.38516	2.215	2.34473	2.215
4.23709	-0.35599	-0.36426	0.204254	-0.31189	-0.79028	-3.43723	-1.33966	-0.95688	-1.33966
0.539795	-2.91211	1.21051	-0.99661	-1.11063	0.422363	-2.82956	-0.36948	-1.18045	-0.36948
0.404175	-1.05765	-0.88501	-0.58292	-0.63962	-1.55573	0.410828	-2.20892	0.567383	-2.20892
-1.00558	-1.99527	0.27655	-1.10092	1.28986	-0.96912	3.97534	-0.98947	-0.83868	-0.98947
-0.87753	-1.60434	-0.76572	0.126312	-0.80615	0.561798	2.38058	-0.49109	-3.26361	-0.49109
0.166016	-0.16373	-0.26654	-2.80429	0.161255	-0.74008	0.304474	-0.6712	-0.785	-0.6712
-1.09778	-0.12039	-0.35471	-0.96808	-2.54895	-2.35825	-0.14197	2.65335	-0.61887	2.65335
-1.7691	1.2811	-2.57367	-0.72846	7.14E-03	1.07227	-0.31677	-2.53571	0.251984	-2.53571
-1.21024	-3.19891	-0.34781	-1.07E-02	0.297485	1.33636	-1.84735	-0.65262	2.78088	-0.65262
-6.99E-02	0.235046	-3.81E-03	-0.71533	1.65805	2.07837	2.10464	-0.58731	6.61343	-0.58731
3.03079	-1.03912	-2.99414	-0.327	2.44971	-5.96484	-1.16147	1.81979	2.26221	1.81979
1.55627	-4.1355	1.65735	3.86725	-1.08298	-3.12106	-3.83316	1.94199	1.28201	1.94199
-1.7525	-0.2179	1.04953	-3.10254	-0.23541	2.8808	-2.87131	-5.44168	2.50571	-5.44168
-0.422	0.833405	3.18E-02	-3.97E-04	-2.07233	0.490265	1.38522	0.239319	-1.38785	0.239319
1.72656	0.468658	0.8255	-1.84732	0.878265	0.555878	-0.98679	-2.37402	-1.30933	-2.37402
0.413696	1.58273	-2.06503	-1.79083	0.498779	1.68069	-5.91E-02	-0.64838	-1.19766	-0.64838
0.101379	1.75085	5.91E-02	-1.69107	-1.96423	-0.51111	1.29599	1.34332	-1.19351	1.34332
-2.47208	-0.42441	-1.27454	-0.96481	-1.74463	0.991821	1.39258	-1.1601	-2.17651	-1.1601
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-2.54431	0.639709	-4.29337	-1.68076	-1.28168	0.954956	-4.81E-02	0.590576	-0.9747	0.590576
-6.87E-02	-0.12503	0.134277	-3.55219	2.58328	-8.36E-02	-0.18054	-5.74E-02	-5.12842	-5.74E-02
-1.46057	0.241119	1.14798	0.240784	0.206329	-0.27524	1.69443	3.19E-02	-2.10E-02	3.19E-02
3.50629	-0.39154	7.63605	-5.29367	-6.55359	-1.81094	-0.93378	0.555878	0.863922	0.555878
2.46985	0.971893	1.97653	-2.88654	-3.58408	-3.94626	6.17062	-4.965	6.17392	-4.965
-0.7865	-1.87909	-3.89566	0.137054	0.870483	0.576202	3.28E-02	-7.74448	4.22662	-7.74448
-0.23822	-1.75351	1.7424	3.1702	0.171082	3.86508	1.52792	-2.25009	1.97833	-2.25009
-2.85294	-1.80093	0.994385	-1.09592	1.87247	-0.34934	2.24252	-1.1608	0.483276	-1.1608
0.539093	-0.54407	-0.91254	-2.22324	-0.42963	0.64679	-1.70377	-1.26236	1.55133	-1.26236
0.254974	-2.22412	-0.66013	-2.80038	-1.82956	0.503296	-1.58319	-0.76837	-0.61273	-0.76837
0.299225	-1.71191	-1.28894	0.353607	-1.22144	1.28363	0.787689	5.11E-02	-1.17E-02	5.11E-02
-0.7132	-2.54871	-1.68311	0.755646	2.55426	2.06387	-1.52588	-5.04E-02	0.114532	-5.04E-02
-1.78873	-0.30991	1.34E-02	0.156769	-1.49997	-3.67145	-0.79276	-1.20212	-3.92752	-1.20212
0.834259	-3.57642	-1.14551	2.77911	-3.2312	2.10959	-0.59515	-3.51581	-3.48923	-3.51581
0.982239	0.947327	-0.6872	-1.36511	0.905548	0.135162	-0.63586	-0.7887	2.34854	-0.7887
-4.3829	-1.10913	-1.83786	1.69812	1.50201	-0.62116	1.26642	2.54788	1.10532	2.54788
-1.94043	-0.7493	-0.76245	-1.32294	-10.0966	2.30E-02	0.436127	1.85538	2.90033	1.85538
4.6171	-1.12811	5.52E-02	3.54718	0.701508	2.85532	-0.85391	1.05652	4.4046	1.05652
-0.6207	0.815796	-2.13818	1.50641	-0.8092	-1.77844	0.238617	0.984802	-0.22925	0.984802

-0.85342	-1.54584	-2.2778	0.176086	0.427979	-0.24292	-0.10538	1.37189	0.538879	1.37189
-0.39288	-0.97287	-2.21603	-0.47394	2.16837	1.03E-02	-2.09055	1.49973	1.58282	1.49973
-0.86752	-1.39664	-1.76553	-0.11258	-0.68555	0.470886	1.5256	-0.43869	-0.86041	-0.43869
-0.30649	-0.88141	-1.65973	-0.1427	-0.35394	0.428131	-2.57962	-1.0708	-1.69061	-1.0708
0.281311	-0.54471	-4.83722	-0.25906	0.765137	3.16345	-1.13428	-1.87814	-3.04248	-1.87814
-0.73892	-1.20789	-2.38977	-0.63025	-0.20728	3.28735	2.28195	-1.10751	-5.67E-02	-1.10751
-0.70953	-1.06232	-0.61231	-4.15009	2.66119	2.11618	0.560974	-1.33789	-2.48291	-1.33789
0.467529	-0.74408	-2.3717	-3.18491	1.50095	-6.02231	1.80844	-3.14389	-2.21255	-3.14389
-0.86801	-5.62973	2.00656	-3.93527	2.55042	-2.34903	1.34012	-1.3826	-1.38657	-1.3826
2.82947	-2.53821	-1.48776	-5.59683	1.91425	0.364838	1.20862	1.4599	-8.1019	1.4599
-0.98673	1.5322	-3.43585	-0.84824	0.361694	2.00842	2.1355	2.67624	-6.18079	2.67624
-2.20862	-0.33322	-0.85828	-1.50659	-1.80701	-3.00064	-2.18527	-2.099	-2.18555	-2.099
-1.54044	-0.92435	-0.6958	-1.66	-1.03891	-2.45374	0.564117	-1.77112	0.983398	-1.77112
-0.8349	-0.45178	-1.32376	-1.37402	0.833374	0.440369	-0.42215	-1.09045	-1.50409	-1.09045
-0.18732	-0.35834	-1.53452	-9.53E-02	-5.55E-03	-1.78271	2.05688	-1.87589	-0.39401	-1.87589
-2.68579	-1.3071	1.56467	-1.3139	1.39618	-0.32498	-0.18723	-0.76999	-1.0213	-0.76999
-0.12628	-1.58798	0.305298	-1.52118	-2.51004	2.25278	0.891632	3.98E-02	-4.14789	3.98E-02
1.12137	-0.7432	4.70023	-2.43124	8.42E-03	-0.13565	0.207947	0.325073	0.409302	0.325073
-2.46902	-1.01981	-2.35822	4.71371	1.6019	5.18127	-0.24963	-1.28741	3.61218	-1.28741
3.61465	-2.19086	8.80E-02	-0.25372	-0.71606	2.50427	1.45544	0.735504	1.74185	0.735504
1.21039	-3.17853	1.57956	1.49292	0.849396	2.15335	3.61844	3.07709	3.22443	3.07709
-2.58243	-1.15E-02	0.405853	-3.46805	2.09753	3.26334	0.383514	2.1705	-1.50348	2.1705
2.31119	2.522	0.222137	0.34256	-0.72852	3.05692	-0.15002	-1.81866	0.811523	-1.81866
-2.44672	0.160797	-2.18869	3.88519	2.15817	3.25296	-0.35129	-0.69528	2.15973	-0.69528
0.775787	-1.68393	-0.30591	-2.38211	-1.59253	-0.55911	-0.314	-1.1684	-0.25571	-1.1684
-2.02631	-0.41507	-1.66364	0.632477	0.186859	-0.8923	3.51544	0.682129	1.55682	0.682129
1.29086	-0.24713	-2.78491	0.335938	-0.36545	0.827789	0.875793	-0.55267	1.67737	-0.55267
-0.45279	0.964081	-0.48224	-0.73541	0.238678	0.619232	-3.69333	-1.2731	3.5303	-1.2731
0.235107	-6.69E-02	-0.7113	-0.67606	1.59604	-2.21875	-1.39798	2.61664	3.46713	2.61664
0.462097	0.35849	-1.79578	-1.70636	-8.59E-02	2.03256	-0.92184	1.83868	1.03848	1.83868
1.26315	1.20969	2.70078	-3.01108	-3.74091	2.21597	-1.44885	1.99799	-1.02463	1.99799
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-7.01221	1.10495	-1.92114	3.03452	-1.5546	1.67114	-2.41718	-0.41553	5.59143	-0.41553
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0.684479	-0.93759	1.94705	5.93E-02	1.8591	2.52121	-0.5972	-2.68466	0.372406	-2.68466
-1.05902	1.63779	1.66479	1.01309	-1.61423	1.83176	-0.74637	0.517212	-1.41385	0.517212
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-0.71353	1.00546	0.679382	-1.17218	-2.11624	0.808197	1.25061	0.441528	0.250366	0.441528
-1.52588	-0.82022	-2.25363	-1.2374	-0.36023	1.85144	0.363281	-0.86618	-0.38611	-0.86618
0.257111	-0.80689	-1.1311	-1.97375	-2.05685	-0.80005	-1.3588	1.71585	1.66943	1.71585
0.385284	0.632202	-3.16458	-1.35983	-3.29996	2.76074	-0.75806	-1.20081	1.38168	-1.20081
0.519958	0.250275	-0.142	-2.32327	1.70367	-2.53E-03	0.195648	-0.4917	1.88257	-0.4917
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1.89938	-3.09464	-1.37045	-0.31967	0.136902	-5.48773	-2.64337	1.35339	-2.07098	1.35339
0.729065	-2.0141	-0.10205	-1.10464	-1.95496	-2.35947	-2.11856	1.00449	-4.5723	1.00449
1.1445	-2.9335	-4.71637	-3.66425	-1.39679	1.52859	1.4169	2.44864	5.85971	2.44864

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0.728607	-2.26956	0.696167	0.532867	2.69278	0.993073	-0.72736	-1.89465	-2.07999	-1.89465
-0.25183	-0.66074	-2.21121	-2.05496	-1.35944	-0.59631	-0.81632	-0.57629	0.213287	-0.57629
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-1.8653	-0.6745	-2.50702	1.19092	0.986542	-0.18304	2.10431	-1.19144	-0.63907	-1.19144
-2.32541	-2.44931	0.307037	-1.44824	-2.07507	3.10385	0.331451	-3.63672	-0.92801	-3.63672
-1.66254	0.762787	-1.34952	2.64914	-8.09E-02	1.73419	-3.26273	-3.43649	1.19308	-3.43649
-2.38757	0.368042	-5.02222	0.363373	2.42603	-0.49912	-2.43686	-3.2171	3.92014	-3.2171
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0.231354	-1.68143	0.798401	-3.01208	-4.35291	-1.41492	-1.55283	1.853	-1.81711	1.853
-0.49997	-6.73288	1.2001	-2.29633	-2.20096	-2.63412	-0.93948	-1.64441	-2.63525	-1.64441
-7.306	-0.71094	-2.29025	-2.49179	0.383301	2.11505	-1.07687	0.572876	-5.77618	0.572876
-1.62793	-5.0004	-1.38425	-3.96353	3.13754	-1.28305	-0.69379	1.15649	0.256531	1.15649
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8.82E-02	-0.5643	-3.08282	-3.24506	-0.18326	-3.07404	-1.01157	0.607849	-0.38577	0.607849
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-3.754	-3.43964	0.821259	-1.01138	1.38159	1.69714	-4.06567	-0.69443	-3.69849	-0.69443
-3.21664	-2.43692	-1.13336	-4.73074	0.970551	-0.35095	-0.37158	0.705902	-7.96628	0.705902
-2.55481	-3.95941	0.741333	-2.56525	-2.09369	3.4762	1.01678	-1.40927	-2.2218	-1.40927
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0.563995	-0.59439	-2.54996	-2.59244	1.38544	0.602844	-1.50287	-0.38522	-2.4986	-0.38522
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2.02713	-2.07758	-1.23239	2.12219	-1.31525	1.27228	0.655121	-5.22311	-0.38666	-5.22311
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-1.85855	-1.60162	-2.21106	-4.10773	-1.74698	4.74045	-0.76196	-2.04462	-4.42337	-2.04462

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0.468628	2.28635	0.478607	-1.76733	-0.61926	0.525269	0.931732	-0.46469	-4.46286	-0.46469
1.3537	-1.88605	-2.94446	1.5018	-8.10901	0.744354	-0.17978	-4.47552	-0.11307	-4.47552
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0.34967	-2.27893	0.546173	-0.33072	1.16708	-0.34503	0.72522	1.88849	-0.21152	1.88849
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0.930084	-0.55142	-0.55063	0.80072	-0.57996	1.24377	-0.9599	-0.21698	2.44778	-0.21698
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1.69528	0.757904	-1.23425	-0.19486	1.15073	-3.57654	-0.55496	-3.73941	-0.7721	-3.73941
0.340179	-2.43271	-0.84512	0.427124	0.117096	0.547089	-0.68085	1.21521	-0.51001	1.21521
0.623138	1.26132	2.12918	-0.58743	8.84E-02	-0.58994	3.23584	-2.2594	-5.68326	-2.2594
1.03638	-3.04535	-1.11884	-1.1265	5.19931	-5.68134	0.348511	-4.69421	-12.0947	-4.69421
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1.23639	-2.47491	-2.74915	-0.32645	-1.00049	-4.8894	4.45209	-3.18518	-3.90018	-3.18518
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-0.89014	0.198578	0.137695	-1.04099	1.56396	-1.013	-0.7793	-0.70868	-2.12772	-0.70868
0.118622	1.29318	1.63647	-1.07458	-0.90775	1.26062	-1.58701	-1.87408	-2.53369	-1.87408
-1.07669	1.3526	1.92719	0.113922	1.39645	-0.13284	-1.03287	-3.34064	0.391632	-3.34064
-2.75473	0.108612	-2.09796	-1.44806	1.17914	-0.86176	-1.09677	-0.8074	-1.707	-0.8074
2.42245	0.771698	1.021	1.76321	1.52368	0.169189	-1.26093	-0.4715	3.33258	-0.4715
0.151031	3.89154	-3.62442	-2.92462	-1.25955	-0.59561	-2.74066	1.76028	2.84225	1.76028
0.7323	-0.27393	2.21436	4.49152	0.834808	-1.44916	-1.14139	-3.29871	1.75311	-3.29871
1.76205	3.81097	0.730255	0.848175	2.32983	-2.73407	2.60114	0.331696	-4.9256	0.331696
-2.08722	1.6853	-0.64996	-1.54984	-0.2074	-2.5733	1.53168	2.34491	-2.8421	2.34491
-2.2963	-0.28702	-2.92E-02	0.266693	3.02417	1.91196	-3.24219	-2.7645	-3.73047	-2.7645
-1.28763	0.728546	-2.78482	0.652771	1.31128	-1.44363	-1.14819	-1.14102	0.803284	-1.14102
1.5968	0.604431	-2.56265	-0.63403	-0.28793	-2.11121	-0.64377	0.136322	-3.85959	0.136322
-0.52814	-0.54492	-2.16623	-0.32208	1.42865	-1.09262	-1.74429	-2.95358	-1.50851	-2.95358
-0.47699	0.427002	-1.65524	-0.9834	0.788757	-1.69638	-0.50861	-1.2865	-0.3468	-1.2865
-0.48978	0.879395	0.701782	4.48795	-1.22156	-1.26492	-1.79697	-3.58676	0.895538	-3.58676
-0.65161	0.22699	0.799225	0.70755	-0.28735	-1.38803	1.00793	-2.26541	-1.3905	-2.26541
0.412262	-0.30142	-0.8844	1.93982	0.699097	-0.99521	-0.53085	-1.00751	3.52829	-1.00751
2.35123	1.77045	2.55389	0.511566	-0.26856	-4.29742	1.30664	-3.57809	-2.93497	-3.57809
0.542084	-1.08304	2.34494	-2.89249	-3.89401	-1.12775	0.433716	-2.35773	-2.30997	-2.35773

-0.94785	1.82639	-5.82825	-2.47913	-2.76535	-4.63947	4.36292	0.640076	1.68082	0.640076
1.6015	-3.7366	3.38486	1.40317	-0.2536	-2.32718	4.28568	-0.70306	-1.59448	-0.70306
0.495178	0.412079	-2.50449	-4.16022	-1.3605	-1.41232	-3.16638	-1.82748	2.45575	-1.82748
-3.26633	0.266144	-1.6394	0.619598	-0.46024	-1.58771	-0.10599	0.436584	-1.82822	0.436584
-2.17331	-5.87E-02	-0.35364	-1.39972	-2.73962	-1.27792	-1.07285	-0.98218	1.59903	-0.98218
-0.56451	-0.25754	-3.14313	-0.75668	-1.54486	-0.29343	-0.25079	-1.70227	-0.66312	-1.70227
-1.81036	-0.60742	-2.14984	-2.13461	-1.10535	-2.25168	-1.40512	-0.4296	0.499512	-0.4296
-0.38199	-1.09311	1.33148	0.277924	-0.86014	1.23785	2.00781	-1.00894	-1.48227	-1.00894
-1.14301	0.196594	0.609619	2.02927	-0.87018	-3.61554	-1.81815	-2.1817	0.696503	-2.1817
-1.56165	-0.44852	0.190582	3.80823	1.06857	-2.38672	-0.85465	-1.84192	2.65759	-1.84192
-2.63486	-3.44336	-1.71231	-0.85233	-3.11075	1.50009	2.34613	-1.22922	1.86975	-1.22922
-0.83261	1.45148	-1.65283	1.09433	0.364197	0.27887	0.321716	-2.43793	-2.51807	-2.43793
-1.19254	-1.42862	-2.12955	3.61386	-0.69318	4.28143	2.08942	-1.32001	-5.6438	-1.32001
-4.04001	1.0473	-1.67267	-0.92712	0.179688	-2.461	-0.80463	-2.86417	3.7579	-2.86417
-1.1087	1.112	-2.76678	0.27948	-1.79343	0.234558	1.43732	-3.61758	0.842255	-3.61758
-0.19391	-1.68573	3.26E-02	-1.58963	-1.49982	-0.93903	1.59073	0.822205	-0.76743	0.822205
-1.2179	-0.67456	1.50867	-1.15353	-1.04245	1.32889	9.09E-02	-1.43475	-0.81378	-1.43475
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-0.34378	-1.267	-0.67404	-1.81119	-0.61154	-1.27008	2.58228	-2.4993	-1.39951	-2.4993
0.357605	-0.8782	-0.30731	-0.42868	0.473663	-3.65942	-0.76959	-0.14185	-0.38858	-0.14185
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-5.25516	2.45102	0.942108	1.24478	-0.54077	1.54297	-1.85458	2.73349	3.19333	2.73349
1.89539	-1.43744	4.12796	2.49072	2.02591	-3.96625	-4.48047	4.77808	-3.93118	4.77808
1.01056	-0.17712	-3.58386	-2.44125	0.216522	0.896637	-3.27426	3.97369	5.10132	3.97369
-1.34381	0.790009	-6.82895	-1.12704	-4.0159	0.863495	-1.60031	4.79413	1.2843	4.79413
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0.351379	-0.49359	-1.52386	-6.13126	1.75043	-1.46854	-1.54886	-1.78601	-0.21182	-1.78601
0.505676	-2.20743	1.1228	1.21292	-0.7229	2.68747	-1.62823	1.33929	-0.88474	1.33929
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-2.24323	1.08646	0.550964	-2.159	-3.3735	-3.72525	-1.09616	-2.55722	-5.62247	-2.55722
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-2.1152	-1.04041	1.30081	-0.47311	-6.39182	-4.38492	-3.60336	-4.06018	-1.60895	-4.06018
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1.71802	-0.93167	0.217346	-0.58704	-0.46124	-1.68411	-3.28305	1.37802	4.96E-02	1.37802
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-1.13547	-1.38013	-0.78183	-1.246	-2.96243	-1.31186	-2.49411	0.154907	-3.0676	0.154907
0.218414	-0.6376	-0.15442	-1.86008	0.461548	-1.26724	-1.3317	-0.80585	-1.57376	-0.80585
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0.248657	-1.08221	-1.3833	0.386536	1.46869	2.90839	-0.52704	-3.2692	-2.42123	-3.2692
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0.246887	-0.36334	-1.16806	-2.5524	-1.91779	3.36325	-1.52206	-2.26273	0.903107	-2.26273
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0.458893	-1.88776	-0.37604	-1.15042	-0.50012	0.72348	0.457733	-0.32858	-2.67029	-0.32858
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3.01077	-6.38882	3.73975	-0.15985	-1.39505	-3.63788	-3.03137	-0.36771	1.7868	-0.36771
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0.808777	-0.64691	-2.94476	-1.17654	-3.89877	-0.78583	-1.46457	-0.76642	-1.06979	-0.76642
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8.43E-02	-1.77924	0.173401	-1.24802	-1.90411	1.54999	1.27423	-1.44202	-1.4346	-1.44202
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0.417175	-1.17764	-1.55261	-1.06976	-1.64566	-0.2395	-0.80789	-1.06357	-2.90451	-1.06357
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1.57E-02	-0.57489	-1.56241	-2.16525	-2.40906	-2.73E-02	-0.9101	-3.27704	-1.04608	-3.27704
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7.75E-02	-0.48666	1.3725	-1.64502	2.53424	-1.15903	-0.34116	0.998383	3.11993	0.998383
-2.26431	1.22925	2.93726	-0.56329	-0.39899	-1.86743	9.38E-02	-6.79031	1.48422	-6.79031
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-3.95151	-1.91769	-1.81506	1.64966	2.01001	-1.4787	0.562103	-2.18369	3.6481	-2.18369
-6.3002	-0.2301	2.47632	-1.76242	-0.1116	-0.88895	-2.33008	7.95E-02	1.33304	7.95E-02
-0.90811	-0.87503	-1.7901	-0.802	-2.29694	-0.29572	0.51651	-1.03442	-0.638	-1.03442
1.0578	0.341522	0.502563	0.877075	-1.53012	-0.27292	0.174744	-1.52188	-0.34937	-1.52188
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-1.06021	0.227295	-2.02008	-3.19504	0.452545	2.03067	1.83163	6.61E-02	-2.80191	6.61E-02
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-2.34052	0.570648	1.70435	3.14243	-1.7883	-3.38525	-0.13358	-2.03482	4.93402	-2.03482
-6.18585	-1.2326	0.328735	3.84207	-1.13086	-4.25937	-1.57608	-2.75241	-4.57938	-2.75241
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-1.73761	0.475494	3.2547	-0.47531	-2.77591	-2.86224	0.108215	-1.50278	-3.06165	-1.50278
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1.90036	-4.87381	-3.2597	2.67703	-3.2955	2.02197	-3.81543	-0.1698	1.75937	-0.1698
-2.98575	-5.36777	-0.50861	-2.04083	-1.94705	-4.48022	-3.43576	-0.92481	-1.15027	-0.92481
-4.4404	0.316864	0.638763	2.03992	-1.02661	-1.13535	-0.24387	-0.8269	1.07611	-0.8269
-1.93643	-0.5878	1.00024	-0.60373	1.38205	1.69574	-1.31247	-1.17291	-3.62207	-1.17291
-3.52762	-4.7525	1.25995	-7.57724	-1.73471	2.09052	1.22369	-4.56E-02	-0.86478	-4.56E-02
-1.19922	-2.77319	-4.24429	-1.82001	-2.77631	0.204956	-1.44669	-3.02039	-0.24896	-3.02039
-0.96881	-1.61975	-4.16022	-0.31281	-1.88022	0.576569	-1.75308	-1.22501	-5.02591	-1.22501
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0.170685	-0.28613	-1.63071	-1.98578	-0.84436	0.345093	-3.02512	0.290009	-1.61441	0.290009
0.102112	-1.0383	-0.53674	-0.55991	-1.08102	-0.89877	1.18958	-2.02969	-2.7587	-2.02969
0.764709	-1.24969	-1.62833	-0.55386	-0.13525	-1.02252	-0.85577	-2.88556	-0.94907	-2.88556
-0.40933	-1.60959	-2.11246	-4.96E-02	-0.61728	-5.26123	-0.15387	-0.242	1.375	-0.242
1.07428	-3.4548	2.10529	-2.55707	-0.14841	-1.10281	-2.41663	0.47818	-3.56711	0.47818
-3.00455	0.157043	-4.8826	0.608185	-0.85327	0.307465	-3.09225	2.8941	3.49643	2.8941
-2.01562	-1.61E-02	-1.40594	-1.4552	-3.93091	-1.65344	-0.51578	1.5755	-2.99167	1.5755
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-5.42081	-2.49261	-0.32025	-8.09363	-0.33389	1.23682	1.03299	1.78583	-0.47098	1.78583
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-0.47144	-0.75113	1.08337	-3.65762	0.65509	-0.65051	-0.83759	-0.24402	-1.07932	-0.24402
-2.84079	-1.16568	-3.10324	-0.54742	-1.42532	-0.89291	-1.12704	-0.26117	0.446533	-0.26117
-2.08221	-5.77E-02	-1.93503	-1.20898	-3.27E-02	-1.88052	-0.64041	-0.271	-2.13153	-0.271
-1.13528	0.225098	-0.33533	-1.7287	-1.66315	-2.74637	-0.11523	-1.5722	-1.90701	-1.5722
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1.19238	-1.4791	-0.53406	-3.21146	1.52454	-2.92624	-2.62326	0.611084	-1.49319	0.611084

0.581482	-0.98441	1.31198	-1.36856	-1.50061	0.249786	-0.13464	-0.62012	-0.10373	-0.62012
-2.30057	0.286743	2.23929	0.266876	-1.01276	-0.91592	1.56165	-6.47922	0.865631	-6.47922
-4.7991	3.45175	1.01227	2.95871	0.740997	-2.30444	-6.54E-02	0.323883	-3.65207	0.323883
-0.43204	-5.85E-02	-0.63196	3.39795	3.50034	1.77902	0.236816	1.1835	-1.754	1.1835
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9.46E-02	-0.11914	-0.6853	-1.1965	-1.72543	2.96939	-2.01227	-2.55121	-2.61902	-2.55121
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4.25125	0.76532	4.7677	-4.30121	-5.53317	2.89297	-0.97507	0.134308	0.857239	0.134308
3.20349	3.79587	4.80606	-2.435	-2.13681	-3.18784	8.07E-02	4.47629	-4.73328	4.47629
1.88437	0.59549	-1.39114	-1.67603	-1.54767	0.942047	-0.53717	4.89209	-2.02158	4.89209
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-1.24072	-0.60056	-1.04422	-0.41342	-1.80731	-1.00601	1.41702	-0.88232	-1.45142	-0.88232
0.494904	-1.03018	-0.77594	-2.28772	1.56677	-0.29852	0.499939	-4.46545	-0.67658	-4.46545
0.183472	-0.19913	-1.01E-02	-1.30066	-1.00946	1.34027	0.71579	0.179504	-3.27982	0.179504
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1.83087	-1.34311	-2.32208	-3.15085	-1.20306	-0.73074	0.561127	0.280579	-2.4386	0.280579
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1.8967	-1.36459	1.71735	-1.25253	0.930695	2.4678	-2.64151	-4.69919	1.8999	-4.69919
-1.72372	-0.50992	1.026	-1.7738	-0.78043	0.476654	-1.07767	-6.16757	0.615631	-6.16757
1.25818	-1.24594	-0.63471	-0.58801	-1.20993	0.263092	1.38043	-1.80682	-0.96002	-1.80682
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1.53064	2.25452	-1.5592	-1.20541	-0.62506	-1.91443	-3.62726	-4.88712	-3.42654	-4.88712
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2.19177	-2.00912	-3.04672	-1.03406	-0.53742	-3.81903	1.25485	-2.9679	-1.52701	-2.9679
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1.06979	2.39011	-2.92584	-0.29483	3.9931	-4.5127	6.41138	-3.76459	-2.76028	-3.76459
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-1.20532	1.08334	-1.01282	-1.5162	-2.10483	-1.52661	0.681732	-0.7153	0.422302	-0.7153
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0.341766	-8.00E-02	0.370087	-0.91318	-2.42676	-2.06662	0.509308	-0.48019	1.73389	-0.48019
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0.660736	-3.66797	6.03369	-6.28751	0.342651	-4.83994	1.49323	0.838684	7.10E-02	0.838684
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0.148621	-0.8555	-1.6105	1.91052	-3.05276	-1.09943	-2.88129	-3.40576	-2.73236	-3.40576
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4.58E-03	0.217499	-2.82242	-2.76248	-0.34522	-3.78793	0.684753	-1.41351	-3.78793	-1.41351
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2.21539	-3.35162	3.97775	-3.18759	-4.04349	-1.63205	-0.36899	-2.50952	-2.42587	-2.50952
1.64035	1.966	1.25723	0.152069	4.35074	-0.12347	-6.91858	-2.74112	3.97632	-2.74112
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0.218994	1.3978	-1.92957	1.13235	2.21664	1.38895	1.50995	-1.2431	-1.03619	-1.2431
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4.16138	-3.6228	-1.60526	-7.82135	-5.12198	-5.77496	1.37292	1.08679	2.07672	1.08679
1.45898	-4.18552	2.58783	-2.18253	-0.61881	5.16141	-0.84171	-0.81918	-0.34058	-0.81918
0.183197	-4.38049	1.17172	-2.4762	0.628784	-1.24234	-0.19547	-0.5065	-2.12976	-0.5065
7.13E-02	-0.83545	-0.94571	0.927979	-2.49011	-0.70331	0.779816	-1.91882	-1.4447	-1.91882
0.626495	-1.87778	-0.98865	-1.75604	-1.66812	-1.87051	-0.73325	1.79755	1.00891	1.79755
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-2.88541	1.03046	-1.34885	2.61823	-0.49759	1.76184	-2.41248	1.0856	-2.83417	1.0856
-1.21045	-0.2197	-2.80847	2.10046	-0.54926	-2.65695	-6.64578	-0.94321	-3.64728	-0.94321
2.19028	0.609802	-1.55615	0.990173	-2.80069	-1.67368	-4.00171	-3.63818	-6.8186	-3.63818
0.118103	-0.9328	0.36261	-0.8978	1.51837	-1.20532	-3.60226	-0.28839	-0.87067	-0.28839
-1.23773	0.776642	1.22919	-0.14862	-2.23523	0.288879	-0.13528	-0.10822	-1.70142	-0.10822
-1.41809	-0.53388	1.46454	0.594666	-1.58823	-0.98331	-4.41617	-0.70895	0.255127	-0.70895
-0.35342	-0.71915	0.320892	0.458313	-0.60284	-1.37381	-0.51331	-1.9278	-1.72223	-1.9278
-0.16559	0.4133	0.504059	-1.02289	-1.14444	-1.25546	-0.50812	-2.35529	0.194092	-2.35529
0.57901	-0.61398	2.97208	-1.47665	-2.09106	1.00537	0.719421	6.56E-03	-1.73428	6.56E-03
1.41849	0.536499	3.73383	0.76004	-2.13657	-0.28354	2.84464	0.221497	-3.31952	0.221497
4.53836	-4.60211	-1.34131	-2.82059	-0.41162	-1.86282	0.278351	-0.3074	-0.42712	-0.3074
0.778839	-2.30258	-3.02319	-0.33612	6.86E-02	0.720062	-0.57666	-1.3382	0.658539	-1.3382
2.13208	-5.73E-02	0.373444	0.446228	-1.72379	1.14044	-2.85849	0.178802	0.854706	0.178802
-2.81525	-1.27112	2.81705	-1.60294	-0.67596	1.97794	3.05042	1.4856	-4.4144	1.4856
1.54269	-1.54932	-2.56024	-1.75674	0.343109	0.214508	0.578888	-3.72327	3.06271	-3.72327
0.725586	1.39E-02	-1.5806	1.4541	0.471283	0.832458	0.121338	-1.2139	-1.58566	-1.2139
-0.98142	0.581848	0.643372	0.312469	2.04587	-8.33E-02	-0.45157	2.69E-03	-2.01282	2.69E-03
0.406219	3.18243	0.249847	-0.94632	-1.29895	-0.25833	0.993256	0.705139	0.116821	0.705139
0.254364	1.65546	0.314972	-0.46957	-0.29004	-1.16803	1.35349	-0.32459	-3.96591	-0.32459
0.620514	-5.52E-02	2.21417	-0.7381	-0.40613	1.74234	-0.94461	-1.14349	-1.64661	-1.14349
-5.20E-02	1.021	-0.58981	-1.17346	-1.51514	-0.75165	-1.38898	-0.32517	-1.57266	-0.32517
-1.03891	-0.31162	-0.73407	-1.65674	-0.30106	-1.26215	-1.97647	-0.8533	-0.83521	-0.8533
-3.38943	0.618591	-0.9895	-1.04956	-6.33E-02	-2.22083	-5.73105	-1.46161	-7.08322	-1.46161
-1.85175	1.55392	2.90381	3.11237	0.165131	1.59177	-2.54678	0.728699	-6.99667	0.728699
0.803772	-0.75113	-0.56375	6.6268	1.32059	3.63727	0.229614	-1.33432	-2.75537	-1.33432
1.13556	2.5368	0.444855	1.22937	-0.18027	-2.67606	-2.25037	-2.67841	2.73743	-2.67841
3.62079	6.98E-02	0.728455	0.90567	-0.3681	-0.4429	-0.66531	0.346527	3.06412	0.346527
-2.6705	-2.3692	1.24161	2.84729	-2.04883	-3.81723	0.269012	2.79053	-1.11514	2.79053
-0.11041	-1.11774	-0.39731	0.266388	-1.72324	0.892273	-2.73798	-0.6438	0.778595	-0.6438
-1.56378	-1.56E-03	-1.04224	0.417969	-1.10284	-3.18942	-1.22385	-0.32507	-2.77277	-0.32507
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-1.12408	0.712585	-1.56784	0.531403	-1.52542	-1.87006	-1.37302	-0.82068	-4.5788	-0.82068
-0.1553	-2.17679	0.893188	-0.12747	1.06934	-0.29562	-0.93588	-2.37576	-1.29248	-2.37576
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-4.08295	0.246185	0.510803	0.383331	-1.11911	-9.88E-02	-0.61823	1.03549	-6.62E-02	1.03549
0.408234	1.42062	4.21521	-1.66003	-1.12476	0.437073	0.424316	-0.76791	1.56024	-0.76791
-2.26453	-3.33783	0.906555	-3.05319	-1.39771	-2.83914	3.54532	-5.306	-2.07037	-5.306
-4.23474	1.0531	0.29483	3.11896	-1.66415	-0.51407	1.35043	-1.45892	1.2395	-1.45892
-1.5564	2.86789	-5.22086	-2.27612	3.95709	-1.60568	-3.909	-2.06256	-3.09308	-2.06256
-2.34113	-0.99249	-3.4502	-1.51151	-2.45471	0.475952	-3.10419	-0.7529	-3.38147	-0.7529
-1.28992	-0.18314	0.386688	-2.21213	-1.76044	-0.68301	-1.59778	-1.59271	-0.4866	-1.59271
-1.07959	-0.92517	4.25E-02	9.16E-03	-2.64594	-1.4071	0.238342	-1.31378	-2.49008	-1.31378
-0.93481	-0.71472	-1.5657	-1.94287	-0.40265	-2.54822	-0.10379	-0.14349	-2.20352	-0.14349
-0.84467	-1.32181	-3.74722	-2.9588	0.966949	-4.50177	3.60E-02	1.1239	-2.75848	1.1239
-0.91339	-0.6127	-3.51523	-1.19876	-0.66876	-2.12265	0.417114	-1.38004	-2.83578	-1.38004
-2.26562	-1.31561	0.119324	-0.33884	-1.77768	-6.47803	-1.67075	-2.89322	-2.2117	-2.89322
-1.79053	-0.67081	-0.5123	-0.96936	1.9791	-2.01123	-0.67853	-2.3519	-1.14752	-2.3519
1.70175	1.53912	0.227905	0.329987	1.65833	-1.93921	0.107117	-0.2457	-2.20895	-0.2457
-2.7977	2.80475	-2.16064	-1.64798	-4.15869	-5.81094	1.07E-02	-5.20911	-3.93759	-5.20911
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0.420197	0.109283	0.181946	-1.51532	2.34589	-3.4115	0.263184	8.59E-02	-3.5372	8.59E-02
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-0.10132	-1.48483	-2.20901	0.527985	0.368378	1.57288	-2.25949	-0.1178	-0.6445	-0.1178
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0.78598	0.232513	-2.39606	-1.03085	-2.35516	-3.48746	0.358551	-1.15582	-0.5047	-1.15582
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3.26855	-3.24796	3.9198	0.341888	-0.33405	-3.73203	-2.58386	-1.63071	0.743927	-1.63071
0.485382	-2.21774	-2.75195	1.332	0.186707	0.451141	0.437531	-1.77322	-2.00058	-1.77322
0.391968	-3.17261	3.07913	2.34955	4.53143	2.12433	3.95612	-3.4418	-2.72E-02	-3.4418
-0.8873	2.478	-1.85165	-2.13943	-0.18939	-1.22498	1.58899	-4.30136	2.8472	-4.30136
-1.67822	2.33389	-2.41028	-1.00992	-3.21002	-2.13785	1.03983	-2.65799	4.07755	-2.65799
1.22198	2.49927	-0.51321	1.7887	-0.82983	1.52689	2.01953	-1.76721	7.60E-03	-1.76721
-9.23E-02	0.898621	-0.30383	-0.60852	-0.25235	0.191498	0.771332	-1.24075	2.51721	-1.24075
-1.13242	0.942261	0.974091	0.909424	0.999542	0.42157	-8.55E-02	-0.82269	-2.50E-02	-0.82269
-0.45328	1.20288	2.26526	3.27481	-1.20505	0.191437	-0.15533	-2.07678	1.35709	-2.07678
-1.75571	-7.94E-02	0.153381	-0.12207	-0.47974	0.124054	-3.46957	-4.67E-02	0.778412	-4.67E-02
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-1.08115	1.04559	2.86029	2.38263	-0.31653	-0.65131	-1.40164	1.23041	-2.54913	1.23041
0.375549	-0.85556	1.1897	0.299774	-2.63397	2.67838	1.28082	-0.37311	-3.24197	-0.37311
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-4.0415	1.7547	0.122498	1.539	-0.98862	-0.84363	-2.14346	2.75031	-5.67105	2.75031
-0.52533	1.93866	-2.45221	-0.3587	-3.21133	-0.47443	-0.9596	1.07388	-0.97681	1.07388
-0.76019	-1.31247	-0.22775	-1.21802	-1.50903	-2.54242	-0.35425	0.80603	-2.67957	0.80603

-0.37714	1.59818	-1.55792	0.457916	-0.26975	-1.64212	-1.02222	-5.44E-02	-3.88641	-5.44E-02
-0.66937	0.339386	-1.18674	-1.711	1.46826	-0.85016	-0.34781	-1.4985	-3.62811	-1.4985
1.98291	-0.66739	-1.96042	-3.91E-02	-0.71524	-1.72574	1.28201	-1.27924	-1.77277	-1.27924
1.39E-02	-0.32159	-0.97076	-0.73193	-2.26776	-1.43454	-0.37137	-0.91663	1.09589	-0.91663
-1.58853	1.25339	-0.7847	0.404114	1.5835	1.13318	-3.21313	-3.0159	1.57919	-3.0159
-5.83096	-1.63727	-0.18521	1.66928	0.998352	-1.56534	-0.24258	-2.57501	3.40253	-2.57501
0.860382	0.494476	-2.30615	4.06622	-2.91171	-2.62134	-0.79648	-6.00122	-0.57849	-6.00122
0.98175	-2.9054	-0.68765	-1.03455	-2.33118	3.32092	-1.22739	-2.45E-02	-1.48959	-2.45E-02
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1.62018	-0.27481	-0.66299	-3.01489	-3.677	-1.14462	-1.61627	-0.36258	4.39E-02	-0.36258
1.31198	-2.79385	-0.95212	2.30328	-0.42621	1.78479	2.17261	-1.21121	3.36868	-1.21121
-0.5632	-1.60907	-0.16696	2.10858	-2.24283	3.61359	-2.20895	0.805237	-1.18759	0.805237
-1.32474	-0.80005	0.69397	1.18713	-0.41754	0.844299	-0.70419	0.493805	-1.12354	0.493805
-2.82248	-0.68381	2.50E-02	0.195404	1.47696	-1.53598	-5.47E-02	0.382019	0.818695	0.382019
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-1.13013	-0.56522	-1.03226	1.09964	-2.65546	2.95685	1.66113	0.587097	1.776	0.587097
1.62277	1.04788	1.3837	-2.72977	-3.5798	-0.60403	1.32706	2.85928	0.697479	2.85928
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-1.40723	-2.90363	-1.35196	-4.39603	3.11975	-1.89816	3.18512	-4.11349	3.11401	-4.11349
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-1.16531	-1.14923	-1.01233	-0.58011	3.88E-03	0.644287	0.429932	0.40918	-9.00E-02	0.40918
0.150208	-0.56046	-0.29733	1.18777	-0.80432	-0.50552	1.14563	-0.57385	0.327209	-0.57385
-0.52551	1.17535	1.00287	-0.87866	-0.26386	-2.20932	-0.49399	2.13153	0.679779	2.13153
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-3.72E-02	-1.26639	-3.92E-02	-0.34155	-1.46585	-0.47653	-0.3429	-2.92E-02	7.96E-02	-2.92E-02
-2.7926	-1.1608	8.63E-02	-0.11945	-2.01526	-1.19403	-2.21875	3.2103	-0.94342	3.2103
1.07858	0.502991	-1.42783	2.53723	1.0582	-3.15051	-0.76465	-1.7655	0.557373	-1.7655
0.168549	1.34674	1.9361	-4.23413	-0.34045	0.776367	-1.05167	-2.1756	2.29874	-2.1756
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3.08527	-3.55981	1.60025	0.490265	0.330841	-3.42966	-3.44986	-4.67142	-7.76288	-4.67142
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0.1138	-2.89191	0.567596	2.11771	-0.48862	-3.44424	-0.62256	-1.31918	2.63416	-1.31918
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-0.63477	-0.74451	0.928253	0.487213	-1.66714	0.713043	-0.33292	-0.2135	-0.34781	-0.2135
2.32E-02	-0.18008	0.962799	0.545319	-1.75674	-0.49515	-2.18558	3.08875	2.81033	3.08875
-2.03073	-0.1506	1.16803	0.439148	-0.45895	-3.13394	-1.22705	-1.61823	0.962799	-1.61823
-1.47452	-0.46182	-1.37891	-1.22568	-0.53821	0.310394	-0.14914	-0.94641	2.00018	-0.94641
-0.32947	0.24292	-3.08542	-3.04733	8.35E-02	1.08618	-1.02966	-0.42239	-2.73056	-0.42239
1.7081	-0.33554	-1.94653	-2.0347	-0.20291	-0.24005	-0.36377	0.171082	4.10681	0.171082
1.14636	-0.3692	0.321747	-4.20105	2.47534	0.150024	2.06042	0.587189	-9.70E-02	0.587189
-0.40311	3.02231	1.04553	-2.50925	-0.3309	-1.96808	-3.41852	-1.90738	-5.18311	-1.90738
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0.124908	-1.08896	-1.07004	0.939178	2.62445	-2.92682	1.28653	-1.78357	-0.64627	-1.78357
1.28177	0.74408	0.795166	3.81E-03	-2.06613	-1.0079	-1.22479	-1.09567	1.42328	-1.09567
-1.00919	-1.457	0.269257	-0.57379	-5.55E-02	-2.87018	-1.70551	-1.7587	2.66602	-1.7587
-0.26889	1.56931	1.50748	-3.20355	1.67484	-2.17935	-1.10748	-2.90616	1.95154	-2.90616
0.429779	0.815704	1.83295	-0.31946	-3.64355	1.13776	-1.34485	1.18619	0.296478	1.18619
-0.78214	1.20178	0.476501	-2.66168	-1.99573	-1.75061	1.03067	2.47168	1.50137	2.47168
-3.10187	4.01343	-2.11331	0.102966	-1.01596	0.685791	-2.37546	3.03558	4.71436	3.03558
-0.22321	1.12445	0.815247	1.19641	-2.7334	4.12875	-3.27896	1.7829	1.86673	1.7829
-4.06714	-3.1983	-4.34656	-2.69394	1.11093	-0.81946	-1.62936	1.1925	1.60773	1.1925
-3.12381	-1.48141	-2.26917	-6.08823	0.615906	1.72491	1.47079	-2.04587	4.0488	-2.04587
0.240601	3.5274	0.216614	-3.5723	0.725281	2.34018	0.993713	2.23352	-0.15665	2.23352
-0.62372	1.21445	-7.00E-02	5.38E-02	-0.48242	1.57498	-2.41797	0.451599	-3.66992	0.451599
-0.1463	2.24133	-0.43726	-0.49554	-1.36032	0.790283	-1.01736	-0.32275	0.23291	-0.32275
-2.34213	-1.51404	-0.64172	-0.86008	-2.84836	1.03949	-1.90359	-0.64587	-0.28824	-0.64587
0.52652	-0.38342	1.12888	-1.42761	-1.20395	-1.14026	-0.12174	-1.4621	0.886292	-1.4621
1.57E-02	-0.1366	-1.98331	0.245941	0.786346	-1.29245	-2.15579	1.46866	7.01E-02	1.46866
-1.90341	-0.48169	0.563721	-0.35394	0.72522	1.66306	-0.56717	1.30E-02	-1.98001	1.30E-02
-0.76984	0.97348	0.5	-1.69266	-2.13882	2.41568	0.411865	0.894104	1.49637	0.894104
-2.63196	9.44E-02	-3.72009	0.844788	-0.23477	3.12027	5.21954	-1.01331	3.06934	-1.01331
0.642273	1.62485	2.12265	0.413727	1.5549	-1.44626	-1.73846	-1.89301	4.68753	-1.89301
-1.72964	-2.5184	-3.43887	0.188751	-0.49466	0.60965	-1.69888	3.4158	6.5498	3.4158
1.73E-02	-2.93069	-1.18466	-0.44733	1.38901	-2.47708	-5.81662	1.53574	4.3056	1.53574
-1.79962	1.56769	-0.4639	1.94949	-2.88431	-2.45E-02	2.54984	0.382019	1.56494	0.382019
0.159668	0.267761	0.4151	0.328583	0.684479	-1.31842	-0.95117	-5.62E-03	0.706482	-5.62E-03
0.213196	-0.94717	-0.84006	-1.19952	8.58E-03	-0.44141	0.656647	-1.07587	0.658508	-1.07587
-1.08054	-2.00815	-0.74143	0.218842	-1.84726	-1.35733	-0.79691	-0.95258	-1.08652	-0.95258
-1.00659	-0.60861	-2.36584	-2.70889	-2.31165	-0.91956	1.62839	-0.715	-2.3924	-0.715
-2.77139	-0.86371	-4.56403	-3.44168	-2.11774	-3.04553	0.699921	-0.97226	-1.29349	-0.97226
-1.50372	-0.1915	-3.21338	-1.47586	-3.29916	-1.87354	8.84E-02	-0.67481	0.926483	-0.67481
-1.55045	-0.85861	-0.88101	-0.17596	-0.69513	1.71329	2.81567	0.431702	-3.68961	0.431702
-2.83795	1.99054	-0.32541	-2.38983	0.358154	-1.69904	-0.25116	1.98679	-5.27847	1.98679
3.5412	-0.99225	5.09067	1.53302	0.314606	-6.45465	-2.93698	-0.21683	1.81442	-0.21683
2.50586	0.344482	2.63074	-0.98575	0.910431	-2.82938	-1.20087	0.744293	-0.202	0.744293
1.17068	2.4101	-0.92557	-1.89642	3.10458	-1.0441	0.197479	1.05472	-2.50778	1.05472
1.0426	-0.94119	-3.2775	-2.08041	-1.60483	0.602966	0.583923	-0.66538	1.90115	-0.66538
-7.58E-02	0.804657	-1.01712	1.45499	-2.67801	1.11969	0.53363	0.585083	-4.7547	0.585083
-0.31281	-0.94846	-0.13986	-2.01892	0.174469	1.49597	-1.73425	-0.62796	-1.43127	-0.62796
0.678986	-1.84042	-2.83731	-0.89697	-1.88834	-0.98071	0.678802	1.18353	-0.76102	1.18353
-1.02429	-0.81763	-2.84622	-1.79199	-0.97965	0.225739	-0.41202	1.14801	-3.10269	1.14801
-0.2355	-0.63818	-0.2843	-0.90997	1.71756	1.48557	-1.11859	0.782654	-1.43246	0.782654
-8.16E-02	-2.16531	-2.97086	-2.09033	-2.21606	-0.94205	-1.76547	-3.73752	-3.4957	-3.73752
0.546082	0.289673	0.370087	-1.85748	-1.97131	3.30698	1.32156	0.699799	1.68158	0.699799
-2.39307	-2.18716	-1.35739	-1.16031	1.23544	-1.27731	0.257538	0.197998	-1.90506	0.197998
1.43008	-4.65195	-0.50464	2.70172	-1.26889	-5.13126	0.108826	-3.71472	2.79022	-3.71472
1.23096	-0.89581	0.505554	-0.42703	-2.74316	-3.03537	-3.66028	1.1593	2.24081	1.1593
0.516998	-2.80582	2.75323	1.08246	1.7157	-2.7981	0.273193	-3.02026	0.516022	-3.02026
-0.26721	-2.96011	-1.15448	2.12399	-0.76602	1.87897	-0.12088	0.596924	-6.59216	0.596924

-0.55353	-2.23883	-1.22412	1.39679	0.212463	0.112274	1.00092	-1.88	-2.00693	-1.88
-0.90311	-1.69217	-1.29535	1.78207	-0.49963	-0.92352	1.52783	-2.57657	0.282135	-2.57657
-0.30191	-0.72214	-2.26053	-1.27127	-1.48083	0.812775	2.6088	-2.30588	0.10907	-2.30588
0.202728	-1.35132	-1.82724	0.134003	-0.21484	-0.41406	2.10938	0.682007	4.39E-03	0.682007
-0.19528	-0.9895	-0.69382	-1.57385	-1.43176	-1.40634	2.38831	0.880554	1.97742	0.880554
0.243073	-2.0007	0.446228	1.53024	1.67282	-0.12793	1.19223	0.254181	-1.59399	0.254181
-2.37103	0.193787	-9.24E-02	1.66733	-1.69443	-3.50482	-0.99234	0.718689	-9.81E-02	0.718689
0.302551	-2.12128	-3.71671	1.27847	-1.00696	-1.47073	0.886536	0.829285	3.72903	0.829285
1.15918	0.109558	-3.49164	-2.84277	0.195801	-2.71103	-0.24469	1.49469	-4.12009	1.49469
-1.31573	-4.82E-03	-0.36997	-1.41483	3.30533	-0.31067	-0.89578	5.76578	1.70291	5.76578
0.725494	-1.78052	1.11765	3.76178	-5.30E-02	3.4783	-1.88E-02	1.12231	5.9682	1.12231
1.95547	1.41989	4.62E-02	1.23279	-3.01041	-2.51532	-0.55347	-3.51398	2.46265	-3.51398
0.376984	0.905853	0.569672	-0.38992	-0.31632	-2.64032	-2.5051	8.64E-02	1.36368	8.64E-02
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7.03E-02	-1.50964	-1.28751	-0.69696	1.44327	-0.60751	1.82599	-1.83578	0.443665	-1.83578
2.16171	-0.75021	-3.26373	0.508301	-0.67905	0.671448	-0.66681	0.3396	-1.8028	0.3396
-0.2265	0.479492	-1.68973	2.25635	-0.39926	2.37015	0.312927	-1.11954	0.200714	-1.11954
-0.29041	4.74E-02	0.806824	-0.63895	-0.46005	-1.31046	-0.96127	2.50558	1.3696	2.50558
0.422455	-0.59821	-1.18942	0.790741	0.577271	1.76E-02	-0.82343	-2.32629	3.00607	-2.32629
-0.88376	-1.76697	-3.2594	-4.29703	-1.26505	1.11969	-2.43298	-2.12482	-1.30237	-2.12482
-0.71671	-4.72E-02	1.65585	-1.54288	0.845215	-6.14474	-0.23468	-2.23022	2.42841	-2.23022
-5.63724	-1.44861	1.99283	-1.52255	0.422943	-1.78226	0.595215	-0.5993	9.65E-02	-0.5993
-5.9902	1.3212	1.02005	0.478455	-1.55841	-3.1116	0.412476	-4.07599	2.5575	-4.07599
0.897003	-5.66E-02	-2.73441	3.00308	0.510284	0.510162	1.27344	2.41571	1.12775	2.41571
0.525269	-0.69235	0.166199	1.16107	2.72827	7.59E-02	-3.41977	-0.2294	-2.04651	-0.2294
0.95401	-0.11206	1.87396	0.280884	-0.81763	-0.49301	0.145752	-1.47906	2.68872	-1.47906
-1.09683	-0.91135	-4.94E-02	-1.58307	0.178162	-0.61243	-1.98502	-0.9444	-1.37033	-0.9444
-0.37967	-0.39502	1.33298	0.801514	-0.13825	-0.46726	3.28E-02	-1.11011	-0.32559	-1.11011
-0.59238	-0.21829	3.24237	1.44742	-1.37424	-0.49072	5.90E-02	-8.03E-02	-9.57E-02	-8.03E-02
9.20E-02	0.339691	-0.72467	0.761963	0.245544	-2.44556	2.65353	-0.77661	0.230896	-0.77661
1.68668	-9.92E-02	1.12708	1.53934	-2.88852	-2.19772	0.716766	-2.06631	-4.27441	-2.06631
-0.57935	-1.89288	-1.5043	-0.30893	-2.36215	-4.55283	-0.44388	0.882904	-3.51086	0.882904
-0.8685	-2.66074	1.53577	-0.13959	-2.2551	0.973846	-0.52777	-1.66171	-3.83417	-1.66171
-1.58752	-0.45831	1.31314	4.79645	-0.55557	-0.55118	0.89563	1.22388	0.165009	1.22388
-4.78622	-1.83249	-1.95346	1.22015	-1.30539	3.53052	-2.0087	-1.90637	2.34491	-1.90637
-2.71613	0.430389	0.786224	-0.8678	2.4538	2.79205	-1.24826	-2.629	-1.01825	-2.629
-1.39941	1.10477	2.68619	-0.79242	-2.90903	-0.51273	-0.99439	1.38348	2.802	1.38348
-2.03729	1.27045	1.26065	0.30426	-0.22745	0.625671	-0.23227	-0.26328	1.62921	-0.26328
-1.27322	0.671753	1.57028	-9.62E-02	-3.63E-02	1.05258	-1.34061	0.580322	0.101685	0.580322
1.20291	2.12439	2.29126	-0.3071	0.163177	0.72052	-0.14493	-8.82E-02	-2.7251	-8.82E-02
1.92151	0.628296	-1.4418	-1.12726	-1.00055	-2.08493	-0.97589	-0.90424	1.57321	-0.90424
1.04749	1.52E-02	0.163818	-0.71893	-1.60956	-0.83014	0.764954	0.293274	0.563904	0.293274
0.796875	1.87518	-0.20551	-1.79337	-0.51221	-2.84271	0.757965	-0.23331	1.17447	-0.23331
-0.75336	-1.62906	-2.92862	-3.25821	2.56503	1.47247	3.04672	1.62759	-0.18735	1.62759
-4.05502	2.51016	2.76E-02	-3.83807	-1.13309	5.38315	3.24402	-0.68851	-2.64297	-0.68851
-3.62064	3.465	-4.92596	-0.41275	-0.14105	-2.33325	3.52344	-0.4798	-5.58978	-0.4798
-1.9556	2.38528	-3.18927	-0.50784	1.01318	0.548309	4.4368	2.77731	-6.5791	2.77731

-0.88321	-3.81E-02	1.5278	-2.0585	1.29108	0.43988	-0.39017	2.01111	0.825928	2.01111
-0.95013	-0.73685	-0.39722	-2.27353	0.475189	-1.87421	-0.42847	0.292694	-3.14941	0.292694
-1.72818	0.448944	0.21756	0.56897	-0.50443	-1.35031	-3.45795	0.709045	-2.30579	0.709045
-9.16E-04	1.59567	-0.84293	-0.78449	-1.16293	0.312073	-3.64291	2.90E-02	-0.86572	2.90E-02
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-1.02039	-0.62741	-0.29953	-2.49948	-1.72885	1.48495	1.82022	-1.44046	2.59583	-1.44046
0.533569	-1.92731	2.07544	-2.18146	0.966736	0.128754	0.619843	0.341095	1.14108	0.341095
-2.05154	0.753296	1.94208	0.244232	-1.58032	0.431366	-0.17334	-0.80011	2.55048	-0.80011
-3.24036	4.63174	0.992584	-0.16913	2.23474	-3.49542	5.08E-02	-1.45129	5.30713	-1.45129
3.939	2.10416	-4.28885	1.23322	-0.81751	-0.27304	-1.86996	-1.75983	0.616028	-1.75983
2.33685	-1.97131	7.95E-02	0.983765	-1.44235	0.719025	1.16724	1.8078	4.04572	1.8078
-2.93051	1.88019	-0.76477	0.706879	1.21658	-0.25409	0.474396	-0.80899	0.279022	-0.80899
0.341278	1.06519	0.263	-1.63092	0.833191	0.486969	0.391632	-2.23288	0.870941	-2.23288
-0.70374	-0.64655	-0.80652	-0.40622	-1.15463	-1.71381	0.612427	1.40128	-0.83933	1.40128
3.34E-02	-0.63776	-0.19955	0.666565	-1.25592	-0.36493	1.14905	0.689636	0.751831	0.689636
-0.60053	0.326874	-0.73642	-0.93988	-0.48215	0.212494	2.28378	-0.47247	1.58438	-0.47247
0.477722	-0.16342	0.847565	-0.71069	0.146667	1.88083	2.70697	0.48642	2.94641	0.48642
0.476501	-0.65671	0.6409	0.775726	-6.70E-02	2.03195	-1.72299	-1.22916	3.64E-02	-1.22916
-0.36102	-1.3363	-1.46185	2.23895	2.19534	1.56146	-0.75455	-1.62741	-2.67392	-1.62741
-0.64554	-3.68881	-0.63953	0.659332	1.85999	0.94928	-8.99E-02	-0.36371	-2.00671	-0.36371
2.76855	0.534729	2.8768	2.33707	-1.14407	-1.23831	4.17542	0.718811	0.295746	0.718811
2.3869	1.07108	-0.90115	0.915924	4.31741	3.22647	1.35333	-3.02762	-1.97699	-3.02762
3.79327	3.15439	0.616241	-2.36475	4.90903	1.76724	-1.08676	-1.71732	3.47171	-1.71732
2.45209	2.3732	1.12454	-1.25012	-0.51682	1.53091	0.305298	-8.72E-02	2.27042	-8.72E-02
-1.23471	0.282593	-3.39508	-1.44382	1.26077	3.21066	-1.64117	0.152222	1.34164	0.152222
0.224762	0.59845	-0.77521	0.292297	1.83319	-0.70541	0.10553	0.23819	2.06198	0.23819
0.197906	1.91315	-1.50464	-0.15344	-0.89035	2.19208	-0.28226	2.63824	-0.52908	2.63824
0.245178	0.434265	-0.53061	-0.61197	0.258667	2.91898	1.9617	0.677704	-0.34802	0.677704
-6.11E-02	0.683594	-1.14502	0.173309	-1.17514	2.00964	-0.42261	2.37732	0.665588	2.37732
1.21481	0.940704	-3.88602	-1.27786	0.826752	0.124054	0.478821	0.46344	-0.69388	0.46344
0.549194	1.28931	-2.08908	1.04565	0.196045	3.30676	0.848236	-1.2756	7.75E-02	-1.2756
0.680878	-0.1835	-0.8143	-1.50458	1.94427	3.84268	0.936066	1.09048	-0.35562	1.09048
0.478455	-0.19305	-0.1088	-2.89E-02	-0.84876	1.84369	0.570221	4.2789	0.375153	4.2789
0.671387	0.891266	-1.48364	-3.04617	-4.58151	-1.40085	-0.17139	6.2547	-3.18408	6.2547
2.06857	-0.80002	-3.72937	-1.96463	-1.94067	3.28262	1.77261	7.1564	0.739929	7.1564
0.100494	1.43118	-2.67386	3.12906	-0.8392	2.55511	2.0976	5.10751	-2.23288	5.10751
0.174805	1.42419	-1.89938	1.12949	-1.953	-1.04703	2.17334	-1.74399	-0.61136	-1.74399
1.81598	0.259064	2.06857	-0.9743	2.20377	1.54608	1.52231	0.946777	3.5419	0.946777
-1.3959	1.86493	-0.26135	-0.53992	1.29758	-0.65573	2.43533	-1.13376	2.87482	-1.13376
-0.94153	0.463074	-0.93411	0.255524	-0.51816	1.21228	0.435211	-0.65869	0.727783	-0.65869
0.458008	1.02618	-1.75302	-1.20139	-1.60922	3.12433	1.77667	-1.72778	0.778687	-1.72778
1.8887	-0.7316	-2.2478	-0.46185	1.75995	-0.37454	0.114624	1.61334	-2.68317	1.61334
0.573486	1.88281	-2.66406	-1.22556	1.20325	-1.62656	0.82373	1.42758	-0.52301	1.42758
-0.22412	0.591675	-7.76E-02	1.53162	0.280975	1.81277	1.10016	1.38989	2.95459	1.38989
2.85965	1.17242	1.2128	1.09598	0.480042	0.764771	-0.11206	0.41861	1.73303	0.41861
-1.2662	2.28568	2.57034	1.0397	3.5787	-1.48575	-3.04407	-2.78333	-0.21817	-2.78333
-5.15573	0.862488	-1.84756	2.24377	1.15692	-4.29617	1.73264	-2.6001	-0.14539	-2.6001

3.7901	-2.67679	3.49295	-2.30533	-0.4212	-2.1749	-0.36362	0.679413	3.15222	0.679413
0.718903	-0.5545	2.93069	1.99689	0.855682	1.34647	-0.65909	3.58112	-1.83926	3.58112
2.04599	1.59805	1.09409	-1.11151	-0.83652	-0.36331	-2.78E-02	-1.34592	8.61E-02	-1.34592
1.84372	0.281128	-0.31616	-1.28992	1.27475	-0.36771	-1.31476	0.394623	-0.68778	0.394623
7.93E-02	0.299377	0.396393	1.89471	0.34256	-1.33621	0.755585	2.17203	-0.32544	2.17203
1.57932	-0.1358	0.993561	3.96262	0.302551	0.443146	-0.50272	2.13699	-1.18701	2.13699
0.626923	1.43E-02	-2.3605	3.32504	-1.86926	1.05466	3.90942	2.20374	-2.43536	2.20374
1.79907	0.155304	-0.93738	8.24E-02	0.773438	4.68E-02	0.954041	0.679901	3.78E-02	0.679901
3.11816	2.0347	1.0267	-1.72098	-0.44391	0.653076	1.66745	-0.7963	-1.77463	-0.7963
0.95694	2.62415	-1.09021	-5.23071	1.93765	0.602966	-0.14056	-1.31021	0.166626	-1.31021
1.54898	0.733673	4.28494	-3.75128	-3.26599	-0.71045	1.57703	4.0835	1.6925	4.0835
4.25397	4.98788	-3.38165	0.818268	-0.62515	0.986145	2.88333	0.681396	2.69162	0.681396
-2.80862	0.562408	-1.77536	0.237183	1.55951	-1.17929	1.05978	4.82022	1.19431	4.82022
0.506378	-1.4986	2.27292	-3.82101	1.76428	-1.69702	-0.46286	2.08731	2.70285	2.08731
1.04239	-0.27664	-0.39261	-1.07233	0.228363	2.82687	-2.13937	1.8038	0.387878	1.8038
-0.51709	-0.76495	0.716766	-0.15433	0.573669	5.28E-03	1.27664	-0.97177	1.21921	-0.97177
0.257477	0.182465	0.637482	0.717133	1.93594	-0.69922	-0.17389	0.548431	2.56256	0.548431
0.363831	5.25E-02	1.87927	-0.27429	1.18018	-1.63208	-0.45093	0.605011	0.638306	0.605011
-3.64E-02	-4.60E-02	1.21527	0.387726	-0.43247	-2.23224	-1.53827	-1.91534	-2.43427	-1.91534
-0.33441	-0.61191	-0.90057	-0.35565	-4.35516	-0.43045	-1.09106	-2.52771	-0.10971	-2.52771
-1.37582	-2.16772	0.866882	0.549927	-3.40012	-3.33261	-1.52145	-0.7272	1.85538	-0.7272
-3.30597	0.551544	1.3717	-1.10913	-1.46667	-0.24881	2.88022	0.318604	3.06613	0.318604
-3.129	1.97318	1.17706	1.6911	-0.30829	1.41376	0.889832	1.73709	9.62E-02	1.73709
1.82785	0.469177	7.10925	-0.22705	0.323029	-1.21997	2.08463	2.18439	5.52423	2.18439
-1.25961	3.40799	-3.37454	3.15656	-1.36371	0.508209	2.03049	0.694916	-0.63608	0.694916
4.69788	1.39438	0.538605	-1.3345	0.87149	0.57016	-4.17358	-0.7973	-2.74457	-0.7973
-0.61023	2.05804	-1.51743	-1.89462	0.220886	0.567474	1.46072	0.546478	0.571899	0.546478
1.38831	0.990326	4.17E-02	-0.21622	0.480072	0.366394	-0.64536	-0.55817	-2.04407	-0.55817
-6.85E-02	1.53506	1.86758	-0.24329	-2.12045	0.815399	1.99368	-0.86038	-1.38602	-0.86038
-0.19898	-4.68E-02	-6.24E-02	2.414	0.28595	1.45404	-0.27832	-0.2489	-1.0737	-0.2489
0.210297	-0.2742	-0.24731	2.11304	-0.39865	-2.44153	0.302307	-1.98846	1.30533	-1.98846
0.759491	1.43811	-0.35898	2.24826	1.62823	-3.74E-02	2.45355	0.457092	-2.67191	0.457092
-0.22684	0.425995	-3.36771	3.56583	2.68289	2.70047	0.641174	3.80969	1.73059	3.80969
0.162842	-0.80008	-3.89502	6.01E-02	2.45215	1.09949	-3.09058	1.09671	-3.75137	1.09671
3.51257	3.04117	-3.16135	-1.50357	2.77859	2.69806	-3.24408	1.71518	-1.87009	1.71518
7.32E-02	2.7276	1.39835	4.02725	3.30173	2.63324	-0.23267	-0.10461	1.4595	-0.10461
3.1713	3.38159	0.900848	4.01047	1.4339	2.7558	-4.91272	2.68863	7.64621	2.68863
1.26468	2.34879	-2.8457	0.890594	0.126678	1.12247	-1.38797	3.6756	0.447235	3.6756
0.821289	-0.57205	1.74399	0.995087	2.39389	5.18E-02	-0.83518	-1.02322	-0.9281	-1.02322
2.93109	1.15814	0.305847	1.80658	-0.90833	-0.33041	1.32843	-0.21655	-0.22757	-0.21655
1.54929	-0.85703	0.827881	0.38382	0.483246	0.311096	1.76199	-0.17337	0.270782	-0.17337
-0.33817	-0.55331	1.29855	1.22101	0.927368	-0.82266	0.350372	-0.26938	1.83661	-0.26938
0.108398	1.11441	0.752289	1.74884	-0.90537	1.97827	2.21713	1.66104	0.273834	1.66104
1.37927	-0.48691	8.03E-02	-0.50784	1.28223	0.493164	1.10034	2.37628	-0.2832	2.37628
3.30847	1.7764	2.44339	1.96603	0.287689	1.13309	1.08545	0.881195	-3.16522	0.881195
1.96045	2.85355	-1.00861	3.94669	1.10513	-0.33164	-0.74426	1.92319	-0.64755	1.92319
-8.89E-02	-0.68863	2.05624	5.0773	5.569	-0.40485	5.10403	2.79709	-2.05289	2.79709

3.93018	-1.42722	-0.64487	5.83597	1.12692	-0.98267	1.89941	0.256195	-4.4502	0.256195
3.31558	2.33749	-3.40085	2.38306	0.459412	0.23822	1.67099	2.01764	-4.2626	2.01764
0.992676	2.39218	0.555695	0.325989	0.930298	1.22147	-0.87408	1.65433	-0.46527	1.65433
1.15198	0.465942	8.97E-03	-0.70612	-0.28351	0.532867	-0.18539	0.902283	-1.68253	0.902283
-1.5007	-0.20157	0.988953	-0.43253	-2.96014	0.171783	0.344055	-0.32056	-1.34497	-0.32056
-0.34161	0.423859	1.00787	2.89343	0.868042	1.55408	-0.5741	2.54733	1.38129	2.54733
-0.48389	-0.10251	-0.24313	2.5549	1.21707	1.89972	-3.42242	1.96539	1.51379	1.96539
0.87851	-0.65909	2.939	-5.87E-02	6.10E-05	1.74277	-0.40048	1.63834	3.69214	1.63834
-4.08E-02	1.45331	3.36923	4.15936	1.68463	-0.44775	0.28894	1.59348	3.327	1.59348
-8.63E-02	-0.69782	1.79129	1.44104	3.77307	-0.39124	0.600372	0.138794	1.21069	0.138794
-3.68765	-1.35916	2.5773	-1.14993	0.588348	5.41876	-1.08755	3.0545	-0.84537	3.0545
-0.7677	2.11966	-3.92395	-4.13867	-2.77261	3.82956	-1.24878	2.35278	0.526215	2.35278
0.531952	0.32428	2.98773	0.395447	0.403046	2.18314	6.51773	2.28058	0.765625	2.28058
0.985474	-1.09671	0.667053	-1.98062	-1.83582	3.58282	1.15799	4.12903	-0.58688	4.12903
-4.07E-02	-2.1095	2.13452	1.52219	2.19409	-1.99E-02	1.46564	4.2825	-2.03476	4.2825
0.750366	0.402069	-0.71402	1.45789	0.203674	-0.92343	1.51721	-0.62302	5.2327	-0.62302
-0.4379	-0.58395	-1.26245	0.298767	0.537476	-0.27731	-0.68237	1.75964	0.232422	1.75964
1.15536	-3.05E-02	-0.83371	0.64032	0.917755	0.759979	0.771912	2.14142	0.818176	2.14142
-6.37E-02	0.256378	0.232452	0.692108	-0.44534	-1.32938	-0.15921	0.645721	2.3902	0.645721
0.1091	0.125305	-0.2966	1.41714	-0.87906	-1.45563	1.38721	1.71335	-0.49149	1.71335
-0.22833	-0.19501	0.540619	2.43097	1.58383	1.14697	-1.50537	0.826172	0.510498	0.826172
0.568878	-1.3197	1.94089	-1.31058	1.24878	-2.49933	2.01855	2.2807	0.23468	2.2807
3.76694	-0.19397	2.94571	1.67297	1.33615	-1.01913	-3.22006	0.991486	2.48065	0.991486
0.326172	0.437347	3.05545	-1.89987	4.91461	0.29306	4.61014	-4.13052	3.64163	-4.13052
2.07025	-2.01691	-2.64526	-1.54675	1.75464	1.32193	1.21332	-4.2084	2.31003	-4.2084
-4.504	-1.23682	-0.38995	2.33746	-1.7634	2.84442	0.416473	0.106232	-1.94858	0.106232
1.54269	-0.3045	2.0972	3.4129	-1.56601	2.16318	6.55E-02	0.2742	-0.54065	0.2742
0.388184	-1.83075	1.05869	-0.94321	-1.16342	-2.08093	0.332214	-0.85892	-0.14932	-0.85892
0.829712	-1.98807	2.41257	0.969482	-1.07535	0.988678	-1.61237	-0.41736	1.98831	-0.41736
9.28E-02	-0.95572	0.760193	1.74103	-0.44785	-0.66232	1.14398	1.12262	2.16946	1.12262
1.52112	-0.4295	1.63046	0.332794	-0.29654	-2.21347	1.04999	-0.47528	1.5033	-0.47528
-0.33649	0.132294	2.12918	-0.81445	-1.53085	1.19028	-4.31E-02	1.07706	-1.67569	1.07706
-0.31421	-0.92429	2.04333	-0.50024	-0.14838	0.391968	2.26825	0.814972	9.77E-02	0.814972
1.44287	0.85437	-1.09381	1.09924	1.42419	0.250793	-1.67944	-0.2153	-1.05203	-0.2153
1.35245	1.72232	-2.75E-02	-0.17062	0.941345	1.34308	-0.20136	-0.4856	-6.59747	-0.4856
-0.18912	-2.24945	-1.39874	-2.4776	3.7645	-0.74365	-1.58847	-1.46542	-2.67499	-1.46542
-2.06943	0.580597	-1.13037	0.335571	2.81244	2.82523	-2.13086	-2.4624	2.61871	-2.4624
1.75748	1.78259	4.63565	2.51147	0.386993	5.33832	-2.9462	1.51071	1.63812	1.51071
3.51038	-1.43842	9.54E-02	1.27399	0.361969	0.983154	0.335724	-1.07919	-0.23904	-1.07919
0.402985	1.49167	-0.64401	-0.86411	3.40E-02	-0.27033	2.70523	-0.1297	0.717285	-0.1297
8.36E-02	0.550629	1.48715	-1.23514	0.524963	0.317596	1.78845	0.453644	6.53E-02	0.453644
2.64636	-0.34055	2.71277	-2.09E-02	0.834259	-0.57092	-1.48239	0.439728	2.02307	0.439728
0.473511	-1.18E-02	2.81265	1.1304	-0.33713	-0.68848	-0.96323	1.65881	1.328	1.65881
3.31E-02	0.809601	0.617096	1.03473	2.11554	-1.80792	0.628906	-0.17844	-1.11038	-0.17844
-1.77E-02	0.790588	1.71194	1.52194	-1.62186	3.03247	1.25464	2.27209	0.577606	2.27209
1.01718	0.464874	1.8909	-2.09476	-2.19083	1.86368	3.06976	0.831696	0.656281	0.831696
0.776733	1.52994	-1.4032	-0.89203	-2.13446	2.48358	2.15234	0.945099	-0.44775	0.945099

3.35507	4.55197	3.51074	-2.2475	-1.43961	-0.75653	0.414734	1.7648	2.60062	1.7648
-1.79913	4.1767	-0.78375	2.79E-02	-3.68356	-0.16885	-1.92737	1.42139	2.03571	1.42139
1.01669	0.521484	-1.73065	-0.14053	0.69931	-1.30579	0.665497	3.17572	-5.49698	3.17572
2.24088	0.116302	1.37161	0.759583	-0.10361	0.27948	-1.48236	2.96942	-1.11166	2.96942
0.380585	0.299744	1.42288	1.89139	0.521088	-1.68152	-2.00989	0.360992	1.88049	0.360992
0.6297	0.912018	0.685364	0.231964	1.18927	-0.72562	-0.27347	0.433136	1.99802	0.433136
-0.11902	1.59695	0.751068	1.52982	1.00095	-0.22321	-2.14722	1.82761	0.187988	1.82761
-0.41867	0.617981	0.804077	3.5108	1.38815	-0.34576	-1.60513	1.92401	1.10449	1.92401
0.27121	0.406006	-0.73392	-0.79456	1.10764	0.357269	-0.97379	3.50034	-0.24136	3.50034
2.45837	0.563599	-0.17377	0.684662	2.87903	0.863159	-0.25137	-0.86932	-1.14792	-0.86932
0.490662	-0.26962	0.536285	-3.45108	-0.81442	-0.18121	0.513763	-0.7467	0.202484	-0.7467
-2.02676	-2.43597	-0.8967	1.62189	-0.66345	-1.08093	0.153717	8.97E-02	0.341125	8.97E-02
4.03387	0.426147	-2.19345	6.51981	3.358	-2.17435	1.54773	-4.0881	-3.91769	-4.0881
3.03366	-0.71732	-3.80475	1.50226	-0.14755	-2.80768	2.38004	2.3905	2.40131	2.3905
1.7081	-1.2522	-3.31516	-0.20435	1.8201	1.32211	1.17798	4.34683	2.6702	4.34683
1.1048	0.148102	-1.43781	0.696594	3.50848	-0.20383	2.36432	1.75101	-2.95486	1.75101
-0.36691	-0.60684	0.493591	0.150085	1.88959	-0.10773	1.17563	-0.19721	-0.89932	-0.19721
-0.66058	6.44E-02	-0.58865	6.50E-02	1.26627	2.90277	0.275635	1.98242	1.42493	1.98242
0.299988	-0.19522	1.25397	-3.68E-02	1.81964	3.71E-02	1.4928	-0.50287	1.83728	-0.50287
2.09863	-0.15442	0.957764	-0.98639	1.90335	0.61673	3.62018	-9.31E-03	2.72189	-9.31E-03
-0.66269	0.382294	1.3783	-0.25546	1.70584	0.131348	2.74011	6.34E-02	3.77432	6.34E-02
1.42679	0.148987	-0.17127	0.592346	2.85663	-1.97333	1.23495	0.314575	-0.43182	0.314575
1.47348	-0.1752	1.47919	2.38351	-0.69861	-1.40521	1.09567	1.7319	-1.55972	1.7319
1.48123	0.396118	2.1362	0.781982	-3.55225	8.46E-02	0.394623	1.13251	2.82123	1.13251
-1.44141	4.11307	-1.01575	-0.81308	0.268311	0.638641	0.152832	4.7218	-5.17368	4.7218
-2.07965	3.93558	-3.23926	-4.25153	-0.88736	2.75262	2.63803	0.22168	-1.79568	0.22168
2.82159	-0.258	1.68033	4.99207	2.66071	1.1218	-1.2056	3.87024	2.29651	3.87024
-0.60672	0.297089	1.91992	-0.57919	0.663879	1.35828	2.88751	2.60013	2.34573	2.60013
-0.72022	0.345154	0.686798	-0.24851	-0.93152	0.594391	0.568024	4.31958	2.71E-02	4.31958
-0.67868	0.751831	1.09485	0.614777	0.393066	2.02219	3.42264	3.80643	1.38052	3.80643
1.20328	-1.98E-02	1.37909	1.70404	-1.17703	2.16559	3.04819	2.91461	0.481689	2.91461
0.12973	-1.09592	-0.47205	-0.19531	1.10205	-1.03857	-0.47623	2.474	2.7059	2.474
-1.18369	-0.66361	-1.3298	-1.13416	-1.37134	-0.17484	0.222015	1.27765	1.49762	1.27765
3.36667	-0.30469	-0.44788	-3.08865	0.222321	-0.71814	-1.50037	0.492798	0.296204	0.492798
-2.14682	4.72E-02	1.30939	-2.19849	1.79E-02	2.00839	-1.00494	0.632599	2.33478	0.632599
0.353729	-2.17178	2.56079	1.23267	-0.71677	3.01547	-0.44498	-3.55789	0.32605	-3.55789
-1.45782	-1.18594	-1.29544	-5.49487	-1.82309	3.53937	-2.39108	-0.54172	5.99591	-0.54172
-4.43384	-1.55191	-2.37155	-3.14035	0.55365	-2.47278	-1.62997	-2.91162	0.208221	-2.91162
0.172791	-0.7525	0.697357	-2.11172	-1.42459	-1.27518	1.78278	3.31082	0.409821	3.31082
2.47269	-2.84381	1.245	-0.54242	0.708771	1.34958	-0.20487	3.17502	-0.59247	3.17502
1.35458	-2.07614	-0.73322	-0.70541	0.796082	-0.28793	-0.36408	0.645477	-1.33252	0.645477
0.838104	5.50E-02	-0.24094	-0.24033	1.55026	-0.83691	1.68884	1.32465	-0.32187	1.32465
2.90659	0.629272	-0.76993	-1.64206	-0.33804	0.443787	0.760986	1.26901	0.734161	1.26901
0.73172	-0.75192	-7.71E-02	-0.87689	-2.30E-02	1.23904	1.51498	-0.48349	-1.11771	-0.48349
0.915894	9.41E-02	3.31219	1.02933	2.55365	1.40417	-1.58679	1.42307	5.62E-03	1.42307
1.73077	-0.45099	-2.08267	0.949646	1.78983	1.91476	-1.50494	-0.18332	-0.7103	-0.18332
-0.11765	0.520691	-0.4487	3.55383	-0.26981	0.993866	-3.15002	0.951508	0.768768	0.951508

-0.12805	9.53E-02	0.846985	-8.69E-02	2.60645	0.673889	-0.64316	1.4762	1.15875	1.4762
1.58328	-6.35E-03	-1.25565	2.91483	6.7858	4.16245	-1.38568	-2.26291	-1.31769	-2.26291
0.895264	0.364288	3.42975	-2.29034	1.17242	3.57663	1.52124	-0.99481	-5.34189	-0.99481
-0.21191	-2.4169	1.43674	-1.26883	-4.86111	0.115295	-1.6434	-1.90167	-3.0593	-1.90167
0.312988	1.09659	-2.86258	0.121094	1.48169	-0.94894	1.79074	-0.43997	2.08E-02	-0.43997
3.21716	-1.05E-02	-0.52152	0.719177	1.81787	-0.76813	-0.95309	0.862396	0.525085	0.862396
1.59891	-0.84766	0.567657	-0.11063	1.44455	1.80499	-0.38107	1.09924	2.60852	1.09924
1.87128	-0.84534	-0.10233	1.37332	2.54034	0.93869	1.79819	-1.85309	1.09839	-1.85309
0.316406	0.250885	-3.45E-02	0.146912	2.11166	0.301819	1.48248	1.9465	-0.1712	1.9465
0.843597	-0.1525	-1.58292	0.253632	4.54156	1.45065	1.42841	-2.62936	-0.80557	-2.62936
0.634369	5.74E-02	1.20572	-0.98746	0.572021	1.68365	0.31424	0.420593	1.77118	0.420593
1.98026	0.964691	2.20828	1.59424	0.889191	0.333191	-2.52972	-1.151	5.60E-02	-1.151
1.39334	0.800018	2.72E-02	1.91299	2.74863	-2.37192	2.38974	-1.4104	0.116943	-1.4104
2.7298	1.69745	4.83E-02	1.8468	0.787292	-2.64066	4.14801	-1.87411	0.959412	-1.87411
4.00388	2.25909	3.63474	1.64975	3.74463	-1.90277	0.103241	4.12598	-2.24399	4.12598
3.16269	-0.89771	2.60733	2.66125	2.94708	-4.095	0.677185	0.327423	1.28851	0.327423
2.13538	1.5466	7.43E-02	1.66031	0.689697	0.76947	-0.76688	-0.10107	0.312134	-0.10107
-1.05353	0.516754	1.43738	0.67627	-1.20312	3.33698	-1.08328	-1.1514	0.88269	-1.1514
1.32159	1.53723	1.45847	2.24228	0.61795	0.321686	-0.19455	-0.29556	1.67911	-0.29556
1.37927	0.400665	2.52878	1.77792	1.60486	5.98E-03	0.384308	-1.25558	1.23087	-1.25558
1.14023	0.943695	0.922852	3.01309	1.48077	-1.54736	-0.38913	-0.26129	2.31589	-0.26129
-0.5878	2.07489	-1.96201	-1.69595	-1.04865	1.61658	0.621521	0.555237	0.937927	0.555237
-0.40753	0.397614	5.67294	2.04556	0.183228	2.55676	-0.84125	0.3815	1.1145	0.3815
1.91556	0.668976	-0.21011	1.18713	1.14539	0.26889	3.27005	-0.9798	2.68289	-0.9798
1.17874	3.48834	0.850281	3.26117	-0.43665	3.02777	0.868225	-0.54462	4.59433	-0.54462
1.0134	-2.29675	-1.11993	3.4747	-0.10611	3.61295	0.763428	3.73608	3.54153	3.73608
5.51E-02	-4.9621	1.70535	-2.25043	0.629639	1.40454	-0.21936	0.110687	-1.93527	0.110687
2.5932	0.675598	5.62524	4.31427	4.94571	0.610107	2.39459	3.38452	-5.71759	3.38452
0.570496	0.953583	1.90891	0.573608	-1.06732	0.97998	2.35434	1.69913	1.20093	1.69913
-1.08813	0.29776	1.56317	-0.63922	1.02768	2.71759	2.22833	-0.14832	0.646301	-0.14832
2.194	0.414429	-1.00446	0.523468	1.64697	4.99948	2.30783	0.704437	0.137115	0.704437
1.11746	0.70047	-0.55652	0.228119	1.97327	4.16217	2.88959	2.75543	0.597382	2.75543
0.676819	-0.47531	0.199158	1.6337	2.56186	1.85953	3.24207	2.3046	1.45389	2.3046
0.527008	0.173401	2.19937	8.50E-02	1.61746	1.05786	0.858124	2.80594	2.75601	2.80594
-0.82163	0.477692	-1.19226	1.19574	1.45273	3.38535	-0.33695	0.93399	3.08908	0.93399
2.63956	0.999969	-3.99161	2.01022	0.206573	0.836884	1.16266	1.5119	1.70749	1.5119
-2.28555	2.52594	0.703186	2.14349	-1.32285	-1.03992	1.81894	-1.35361	2.41956	-1.35361
0.834595	-2.68695	2.52975	-6.19699	4.07E-02	0.687256	-1.14288	2.77148	-2.62537	2.77148
2.85938	1.6333	2.85733	0.328857	0.170135	2.68832	1.29703	2.0885	0.198914	2.0885
-1.91702	1.20389	3.32864	-1.74683	2.00E-02	2.87222	1.6499	4.58054	2.3772	4.58054
0.158203	1.10559	2.30652	-0.8374	3.05087	3.01086	3.03934	3.90381	2.67203	3.90381
-0.97092	-0.88583	-0.25171	0.929474	2.94308	-1.74902	1.60132	0.819397	-0.50272	0.819397
-0.2803	1.21152	1.50327	0.498566	0.386078	0.408783	0.869843	1.01144	-1.71579	1.01144
-0.25601	1.25015	1.00818	-9.91E-02	0.271942	0.890991	2.2869	1.19583	2.93936	1.19583
0.438324	2.27698	0.315369	0.614288	1.33926	1.44864	0.513184	-0.13818	2.25891	-0.13818
-0.33179	1.68719	-0.14011	0.378723	0.293945	-0.30124	-0.39948	1.28336	-6.77E-03	1.28336
-1.60141	1.76111	0.401337	-1.60886	-2.10416	5.65985	2.69644	2.11588	1.7616	2.11588

-4.90472	-1.9924	8.79E-02	0.946625	1.49368	4.22537	1.28906	2.28461	-2.03903	2.28461
-1.90015	-5.46716	0.670685	1.61969	0.769653	2.52509	-0.11328	3.29849	-7.89227	3.29849
-3.1662	-3.67484	0.186249	2.64563	1.17432	-0.57785	1.60272	2.52249	-1.37418	2.52249
-0.76794	0.145294	-0.26166	-1.48312	-4.77136	1.97263	-1.88077	1.55148	3.47412	1.55148
0.918976	0.498505	-2.59546	5.29996	-2.12149	2.7627	-3.8092	1.38892	-1.6832	1.38892
2.01648	-0.16171	-2.866	-2.09689	4.0618	0.918274	-0.76279	-1.45508	1.88913	-1.45508
2.15918	0.515442	0.393677	-1.64072	2.06207	3.09808	1.08582	0.698303	-0.13181	0.698303
1.7298	0.673126	1.79776	6.30E-02	0.921967	2.40698	1.93875	1.28473	-0.54807	1.28473
0.480072	0.534668	0.248383	0.356018	2.29434	0.619781	-2.41E-02	1.05893	1.94498	1.05893
1.58621	-7.70E-02	-0.78174	0.173401	0.802063	1.79703	2.15738	0.994415	2.72229	0.994415
1.62601	0.754089	0.4133	1.93713	0.921448	4.65347	0.129822	1.14346	2.31653	1.14346
-0.36533	1.33621	0.810547	1.47595	1.69232	3.18027	-0.70895	4.4502	1.0737	4.4502
0.515656	-0.93591	2.46848	4.12952	0.479095	4.98557	1.09375	1.71698	-0.31873	1.71698
0.949036	-2.14426	0.596283	-2.6282	0.415955	1.59528	-2.86368	1.5874	6.14185	1.5874
-0.20721	3.54327	2.59225	0.122711	-6.43298	1.18256	2.16922	2.21338	6.91513	2.21338
1.73618	6.24228	1.30264	-0.47333	-0.35257	-1.90945	-1.91959	3.1936	-3.03897	3.1936
-4.0101	2.62799	1.96225	1.48358	0.542297	5.10901	2.81989	-5.29678	-3.34949	-5.29678
1.01569	2.3631	0.593201	-0.26532	2.33759	-0.28275	-1.65628	1.67172	2.27084	1.67172
-0.55814	-0.14993	0.629791	0.101074	1.14468	1.00058	0.484009	-0.71561	0.468292	-0.71561
0.40152	1.17615	1.11386	0.579956	2.82767	0.469696	1.53873	1.89404	0.956909	1.89404
0.641876	1.84286	0.834869	0.749237	2.09204	2.2847	-0.1763	0.561005	-1.36292	0.561005
0.243225	1.2486	1.76868	-1.39828	0.337677	4.63214	1.46317	1.60492	2.8071	1.60492
9.70E-02	2.1058	3.0235	-1.93936	1.26816	4.38287	1.66333	1.87756	1.35873	1.87756
1.33789	0.141113	1.08673	-0.96524	1.78473	1.88116	2.43713	6.48E-02	-3.87E-02	6.48E-02
0.361267	-1.1441	2.97708	1.91312	3.5	2.04468	1.51038	4.31738	0.473083	4.31738
3.40085	-2.39618	0.109283	3.46069	2.22754	1.67099	3.04132	3.53809	4.47165	3.53809
-4.89212	-0.37473	-0.73294	-1.6131	1.68991	0.295441	0.559326	2.13577	3.84433	2.13577
1.64536	-2.20801	-0.22705	2.54205	-1.68076	5.86932	1.78503	2.00449	3.20972	2.00449
1.73148	2.6615	-0.68115	5.77E-03	-2.41E-03	3.34122	3.7312	-0.59216	1.86392	-0.59216
8.97E-02	3.95999	0.682404	1.50629	-2.22983	0.143372	0.391937	0.726501	2.75665	0.726501
0.356781	-0.43604	-0.1705	-6.54E-02	-0.55151	0.154572	0.899811	-6.90E-02	3.44608	-6.90E-02
1.0282	3.63E-02	1.60205	0.665863	2.07327	2.58127	-0.24616	-0.38358	-0.97519	-0.38358
0.207886	-0.22965	0.693176	-0.44959	2.27505	1.96368	1.293	2.45712	2.22507	2.45712
1.03073	1.3096	1.22086	-1.45291	2.62915	1.94223	2.11227	2.83472	1.7514	2.83472
-1.47791	0.602112	3.29599	2.52664	3.69525	3.09576	2.51721	0.91275	1.13531	0.91275
0.931274	0.908691	1.11945	-3.23926	0.389435	0.630554	0.836945	-1.5769	2.65729	-1.5769
0.429565	1.80688	0.854675	-2.21927	0.156281	0.827789	-1.53473	-1.11749	5.38297	-1.11749
0.755127	2.96103	1.30011	3.29599	-1.34036	3.72668	1.78354	-0.96069	2.79523	-0.96069
-0.17462	3.08636	2.56256	0.56012	3.5864	2.87286	2.91391	4.24329	8.08713	4.24329
0.518555	2.0477	3.48303	0.841858	1.95145	5.33713	5.86761	0.835602	7.18051	0.835602
0.723877	0.841492	4.49603	0.286377	-0.38861	-1.04108	-1.92041	0.618011	5.46201	0.618011
-1.0813	-2.1225	3.54919	2.90851	1.17868	-2.33392	1.45264	0.320221	2.16235	0.320221
-0.28842	1.83725	2.6156	-2.18411	-6.30E-02	0.394867	0.410919	-0.33231	2.65707	-0.33231
3.61362	1.70505	-0.85873	0.477478	1.20947	0.216675	0.467834	0.947845	2.38931	0.947845
3.22E-02	0.341461	2.61557	-0.19077	2.47037	-4.25E-02	1.56119	0.120819	2.91327	0.120819
0.679016	2.36469	0.956879	-2.0451	1.19498	1.63434	0.884277	0.258606	2.83859	0.258606
-0.38858	1.05331	1.659	-2.44748	1.81146	1.01456	0.499329	0.437164	4.80054	0.437164

1.14859	1.51541	0.269318	-1.57346	2.19904	0.731262	0.409546	-0.96271	7.51288	-0.96271
3.28326	1.85797	0.815582	1.63333	-1.18723	2.42258	1.04477	-3.23E-02	3.27438	-3.23E-02
1.23483	4.43762	0.51358	-0.46982	1.88214	1.00217	2.56473	1.23358	1.75714	1.23358
2.58569	5.13467	3.35736	2.63391	0.870514	3.27615	4.04404	3.74988	4.14981	3.74988
0.599762	1.4241	5.09235	5.60825	-1.86105	3.55154	2.53894	-2.1792	3.08691	-2.1792
2.81268	3.11E-03	-7.26E-02	1.70877	-4.66312	2.5466	1.5332	-2.66E-02	2.36511	-2.66E-02
0.601288	-1.83E-02	0.161224	1.2019	-0.55063	4.66E-02	-1.16287	1.71011	3.09116	1.71011
2.43408	-0.93033	1.7504	2.20718	1.94656	0.833984	2.59851	1.91388	1.40799	1.91388
1.759	0.57962	7.35E-02	-1.16904	3.12576	0.726685	-9.19E-02	2.06854	-9.22E-02	2.06854
1.62488	1.27255	0.414093	0.277222	0.449066	1.13989	2.89691	0.531616	2.84927	0.531616
1.68652	0.952698	0.96347	2.25851	0.345276	2.13715	1.07437	1.91721	3.03329	1.91721
1.49921	0.625397	4.35437	1.26324	1.49084	2.11417	-0.68778	1.59204	5.37991	1.59204
0.385773	1.89249	0.260742	-0.56625	-0.39786	3.30197	-0.56686	-0.77081	3.15408	-0.77081
-2.72E-02	1.2374	1.65329	0.687622	1.45569	2.78857	1.08755	-0.35031	2.62958	-0.35031
8.89E-02	2.21252	0.330597	2.22189	1.02795	5.39749	0.677643	2.8201	4.52875	2.8201
2.78549	4.16635	2.06577	-3.67987	0.367615	-0.30875	3.12631	1.35379	-4.71237	1.35379
5.27567	3.84808	-1.28E-02	-3.56433	4.42203	0.965149	4.74414	2.35159	-3.07397	2.35159
2.10999	1.47699	-1.47415	2.54947	-1.0437	1.15512	0.886475	2.38422	2.2829	2.38422
3.27518	3.72559	0.831024	0.408203	0.599487	-0.11124	0.446136	0.402527	4.69736	0.402527
-0.52634	1.67795	2.3783	0.583496	2.32388	0.589172	-0.79819	2.78198	3.4003	2.78198
0.3125	-1.23648	-0.33545	1.29807	0.309753	0.255096	1.97565	0.984131	3.59042	0.984131
-7.15E-02	1.15866	3.15079	1.08112	0.136353	0.603973	1.82141	-0.65259	4.00598	-0.65259
0.745422	1.24847	2.77768	-1.35309	2.41397	-0.99857	2.84647	2.49249	3.90121	2.49249
0.98291	1.48251	4.24609	2.96103	1.68176	-0.10342	0.747833	1.79666	1.82404	1.79666
0.305267	2.20319	0.573944	2.41907	0.891418	-1.10065	0.413055	9.74E-02	4.6153	9.74E-02
-0.51773	0.686371	3.0484	-0.31546	1.32318	4.35849	2.19275	2.10748	4.96219	2.10748
-0.59506	-5.81E-02	3.7753	-1.47772	1.62234	6.04846	-7.22E-02	0.513306	5.24884	0.513306
2.27838	-2.41135	0.955841	1.50983	0.759613	1.99005	1.68793	-0.75623	-3.12338	-0.75623
-5.18213	-2.22681	0.814148	-0.34714	-0.76376	2.61963	3.27402	1.6264	-0.2692	1.6264
-2.71231	3.14209	-2.61185	3.89398	0.637695	-2.74878	4.3392	-0.29938	-2.52838	-0.29938
0.249786	1.51538	-0.96918	4.01761	2.05487	-1.04654	3.12003	1.69781	0.565643	1.69781
1.45227	0.379242	0.411896	7.73E-02	-0.17554	-0.27863	2.15463	0.524902	0.240601	0.524902
1.43289	-0.20236	-0.22134	0.785858	1.99466	1.17639	2.38824	3.82724	-1.45517	3.82724
1.69656	0.662964	-2.44E-02	0.909729	-8.15E-02	-0.8786	3.88638	2.09793	3.32947	2.09793
2.25601	-1.0397	0.279053	0.993103	-0.45285	1.78094	2.54019	0.168121	2.11139	0.168121
2.6387	0.536804	-2.3399	0.721619	-1.45526	-1.99643	2.37292	1.96664	2.87811	1.96664
1.05548	0.738495	1.28873	-0.35565	1.53635	1.50635	3.32526	0.524292	2.19598	0.524292
1.71506	1.29547	-1.19E-02	1.46094	3.32199	3.13708	1.91675	1.09311	-0.54822	1.09311
3.55545	1.11203	3.99881	0.571594	0.325653	1.71997	1.83334	-1.216	-1.32846	-1.216
0.851288	4.11176	2.93106	0.678406	-2.32901	1.46E-03	1.65921	1.26077	-2.25748	1.26077
3.82547	5.41669	3.26974	-2.19913	-0.92285	-2.20657	-9.28E-02	3.00488	-3.45218	3.00488
0.391785	2.09741	3.28293	2.37088	0.900787	-1.0885	1.7496	-3.18887	5.71631	-3.18887
1.58029	1.90738	2.0593	2.13599	1.45407	-2.09482	3.33041	3.72443	-0.22095	3.72443
1.25879	-0.10663	1.42398	1.91568	0.835876	2.53668	3.1983	2.0249	4.26028	2.0249
1.039	9.12E-02	2.73E-02	0.296173	3.33435	2.05569	0.728943	2.12082	4.27151	2.12082
0.345886	1.21725	0.38559	0.320129	2.40106	1.71878	1.39981	2.88663	1.37527	2.88663
2.21393	7.43E-02	0.933258	0.258087	1.68488	1.34222	3.55588	1.20239	5.88	1.20239

0.324219	1.79291	-0.75122	-0.10718	1.62476	1.01355	2.69763	-3.99164	4.95883	-3.99164
1.62939	0.357391	-1.65356	1.27457	1.22842	0.690857	0.442139	7.54E-02	2.82928	7.54E-02
1.88107	-1.4812	-2.12192	2.99243	0.639496	3.93237	1.21646	0.343994	1.18259	0.343994
0.468048	-0.26108	0.723785	1.01538	-0.59927	-0.98941	4.36765	0.122284	-0.82727	0.122284
3.2406	0.592865	2.65067	-2.45178	-2.2027	0.322052	0.310211	0.7258	0.158508	0.7258
-3.31354	-0.38712	2.14813	-2.71713	0.212646	-2.62537	-0.22757	3.51169	1.1799	3.51169
2.20E-02	1.51691	0.374054	2.06268	-2.17981	1.30942	6.30899	5.27841	2.6842	5.27841
0.715698	2.13071	3.0647	0.148102	-0.85193	0.524078	3.58221	1.8696	-1.24686	1.8696
0.899384	0.512756	0.187683	1.43188	1.27469	1.77328	0.611023	2.68588	0.646179	2.68588
0.76651	-0.93158	2.24124	0.606171	1.70996	0.478882	0.983856	2.88123	1.20761	2.88123
0.498871	1.95517	4.07587	-6.70E-02	2.98355	0.214081	2.73679	1.0863	2.74527	1.0863
0.507935	-0.16412	2.57675	1.43201	1.44626	2.86502	-0.41242	1.5686	1.86981	1.5686
-0.4512	2.06149	3.46069	0.598938	0.803345	0.956451	-0.41138	0.332062	0.643219	0.332062
0.274994	0.785004	5.45544	1.79904	4.04303	3.66135	1.25345	2.27087	2.42639	2.27087
-0.81964	3.38327	2.04718	-0.72986	8.99E-02	1.07587	0.957062	1.83688	2.51328	1.83688
7.84E-02	-0.48526	2.21219	-0.82282	-0.72775	4.00906	-1.60226	6.1073	4.47556	6.1073
4.51718	2.27075	-0.24493	1.5563	7.2327	1.98035	1.49863	2.94418	6.23871	2.94418
3.13757	2.6601	0.42984	5.58316	2.53464	-1.45737	2.74234	0.400604	1.48883	0.400604
1.6499	-2.35809	2.89923	2.39645	-0.297	-2.75778	5.37817	5.66684	1.1442	5.66684
2.3519	1.82529	2.2139	3.3317	0.753479	2.30008	2.33923	2.3876	2.10104	2.3876
4.45288	-0.85184	1.2515	1.48407	0.507172	2.10828	-0.38709	-0.5199	5.0336	-0.5199
1.30991	-1.86118	1.82904	0.737366	2.88968	0.28479	1.01953	-0.26856	8.48E-02	-0.26856
0.695068	1.52496	4.69308	1.89804	0.280853	1.76059	2.5509	-0.79608	2.84207	-0.79608
0.778625	1.16788	5.08908	0.982605	1.82925	3.27643	4.51297	-1.6272	0.253204	-1.6272
1.7532	1.26199	2.43997	1.42783	1.63754	5.47696	1.17551	0.519836	0.938934	0.519836
1.26349	2.8569	4.35583	1.20615	2.77493	1.31287	1.31165	2.06927	1.1091	2.06927
1.23056	1.69049	0.386993	-0.11887	3.56E-02	2.60928	-2.34763	0.866302	-1.67291	0.866302
1.35074	3.75214	5.74838	2.86487	3.48245	6.00589	-0.89566	2.02148	7.15164	2.02148
1.8176	0.22467	2.34924	3.49442	1.89871	3.59E-02	0.698914	2.93417	3.89362	2.93417
1.88776	4.5755	-0.31287	-2.82605	1.66565	1.76123	-0.38516	3.0463	-2.53879	3.0463
2.90158	9.41E-02	0.699341	4.87198	-2.6286	5.63702	-0.9975	0.729126	3.51401	0.729126
2.52399	3.12698	-0.96799	1.7428	-0.14722	0.83548	-3.83737	3.51932	4.93835	3.51932
2.51749	1.46655	2.44717	0.944672	0.276062	-1.18741	2.77493	2.80688	1.27148	2.80688
1.53149	2.88132	0.790161	0.300964	1.96988	-0.15912	2.86563	0.382843	0.916229	0.382843
0.65686	2.29785	1.09818	1.77594	1.32315	1.95697	2.20389	2.88791	1.82736	2.88791
0.631134	2.3934	2.33636	-0.16489	1.09958	2.97824	0.148468	0.134399	2.9382	0.134399
1.7616	0.144989	3.98349	-1.31418	2.58975	3.96606	-9.98E-03	0.801453	7.81271	0.801453
1.7374	0.441803	0.542542	-0.86136	1.67783	5.38455	2.79004	1.5687	3.24359	1.5687
1.57666	1.14297	1.03348	0.393433	0.7388	6.19287	-1.79343	-2.0542	3.37369	-2.0542
1.31723	2.58862	2.5376	1.97617	2.82663	-2.58072	1.97162	-4.814	5.84445	-4.814
0.380096	4.07135	-3.35495	1.46301	1.51639	0.407166	1.61081	1.26147	3.10291	1.26147
-2.50394	1.8782	-0.50217	-1.74E-02	0.398651	1.22952	2.20193	3.4585	1.41101	3.4585
1.2616	2.90851	1.25943	1.08438	-2.13821	0.193115	3.58508	-1.70197	-1.69769	-1.70197
0.422394	2.08508	-1.60449	-1.42322	-0.51102	-2.10645	-1.83057	-3.5643	1.80075	-3.5643
2.83807	0.796265	1.8573	0.889679	1.74158	-1.39972	1.37973	0.495483	1.6745	0.495483
2.6683	3.42184	1.06235	-0.23383	0.602875	9.15E-02	1.43713	4.45E-02	2.89954	4.45E-02
1.71857	4.86618	2.12308	0.873932	1.65085	0.778778	1.8786	2.75861	1.79196	2.75861

2.19113	2.2522	1.51227	-1.21469	3.71487	-1.24615	0.384674	3.06741	3.573	3.06741
2.23941	0.780518	0.239594	-1.29926	0.272552	-2.64514	2.06271	-0.53235	2.74872	-0.53235
1.51178	0.182404	0.609344	-2.54575	3.08743	1.61917	3.92825	0.309387	0.714294	0.309387
1.81818	-0.71841	-0.41452	0.189728	1.42029	4.69287	-2.43155	2.88049	0.699493	2.88049
0.307434	1.34402	1.24539	-3.63E-02	4.11093	-0.55582	1.72043	0.265503	-1.38507	0.265503
3.31628	4.25955	5.25085	1.29852	4.32861	6.47E-03	2.43442	1.54758	0.189423	1.54758
2.01605	-1.1597	3.61673	-1.77545	1.39984	5.05563	4.08511	3.5094	1.54593	3.5094
2.05399	-1.6405	-1.06906	0.923065	5.09641	2.06281	4.02319	4.21E-03	-0.7533	4.21E-03
2.4971	1.505	1.22812	3.37311	3.29388	0.537079	4.41293	0.671814	0.322754	0.671814
6.80E-02	-1.10144	0.31958	1.64728	2.25577	-1.34311	-1.40619	0.894104	2.27847	0.894104
0.435303	1.19043	0.117249	0.629974	1.95197	-9.17E-02	1.87296	1.78043	0.809631	1.78043
1.22177	0.346375	-1.2644	1.58981	1.88477	-3.61E-02	1.5127	1.31241	2.63187	1.31241
2.01761	-0.3862	-0.82724	1.52451	1.52527	-8.61E-02	2.78809	-0.1886	1.93539	-0.1886
3.61072	0.72699	0.348389	1.90994	1.40775	1.99026	1.14481	7.02E-02	1.99362	7.02E-02
2.37628	0.561005	0.862122	2.93646	3.83554	1.45767	-1.41437	0.231689	5.19119	0.231689
1.69846	-2.82352	2.6116	1.18222	1.62228	5.32959	2.29807	-0.8634	3.14777	-0.8634
0.520752	-1.43646	1.3089	3.99927	0.95813	2.60019	-0.26938	0.337799	5.21353	0.337799
6.1911	-5.24945	3.90036	3.8764	5.08191	0.215454	-3.50647	3.65128	1.00763	3.65128
8.01025	-0.95731	0.113251	5.85397	4.87692	-1.05106	-3.14798	-2.98322	-0.12698	-2.98322
7.92038	0.198486	2.26575	6.43835	1.32181	2.49042	-1.81961	1.59314	1.85132	1.59314
4.332	0.839203	-0.3985	1.74188	2.57248	-0.25983	-2.44147	2.87952	4.37134	2.87952
2.84756	0.332458	-0.75241	1.91949	2.40228	-1.86551	-0.11169	2.85468	1.00339	2.85468
3.02631	0.909729	1.26596	2.35507	0.954773	0.118774	-0.72815	4.84653	1.98071	4.84653
1.53568	2.06277	0.92868	1.85242	0.520752	1.0282	2.63669	0.213013	0.546875	0.213013
1.96741	2.1427	1.49286	2.60641	2.23038	1.17804	0.604675	3.25421	1.8541	3.25421
1.1481	2.99789	2.07129	2.37372	3.68436	-1.19675	-0.37387	0.902039	1.77063	0.902039
1.54858	0.452209	1.03604	3.00314	2.27554	9.27E-02	0.59845	6.42E-02	3.73529	6.42E-02
0.854279	1.40448	2.31088	2.76822	2.54239	4.46667	-1.85474	1.37689	2.30276	1.37689
4.07303	3.98593	0.815582	-0.50311	-0.56516	-0.70734	-2.90E-02	4.3428	6.28E-02	4.3428
3.07498	2.26175	0.835663	0.63031	-1.7984	-0.86786	-1.03308	3.90558	7.07431	3.90558
8.14825	-1.77191	5.27225	-0.80673	-0.91538	2.54865	-0.28067	0.373596	-3.21E-02	0.373596
1.90128	0.987793	3.38074	-1.46915	5.90518	1.60632	0.600891	1.77853	1.99222	1.77853
0.490692	3.88809	2.4671	0.191895	2.17938	0.738068	-1.33957	0.374298	2.45053	0.374298
2.60818	1.49786	2.2085	0.932495	-1.39243	-0.11142	-2.01227	0.927277	-6.16E-02	0.927277
0.876617	1.08594	0.767456	0.174866	2.44705	2.16599	1.09525	1.93484	4.75711	1.93484
1.51569	1.57666	2.55148	2.00244	0.682648	2.39139	1.29138	1.84323	3.32608	1.84323
1.15381	2.7851	2.39316	0.437012	1.84598	2.69974	3.88419	2.4343	1.5654	2.4343
-0.12668	3.33029	4.18289	-2.53296	3.96964	2.16345	2.17822	5.75916	0.56842	5.75916
2.2634	2.25449	2.44742	-0.32315	1.51022	1.42126	2.50314	-0.164	2.8385	-0.164
2.63666	5.42E-02	2.3649	3.12244	0.844482	3.29257	3.00455	3.70538	3.08588	3.70538
-0.99976	3.04294	1.77539	1.99387	3.82095	0.840881	1.81732	2.25189	1.29834	2.25189
3.62347	5.10727	0.31604	1.06183	3.80469	-2.73825	2.38724	1.43808	4.55051	1.43808
1.41556	2.15829	-3.57275	-2.97354	-0.83206	1.83093	0.629425	-0.96252	0.248016	-0.96252
3.50668	2.83398	2.16443	1.20166	2.53668	0.173218	-0.4108	-0.37936	1.2457	-0.37936
2.58118	3.23468	-0.7637	0.641602	1.6019	2.90585	2.05331	1.8584	3.88913	1.8584
2.16858	2.36087	3.07867	0.384674	1.31677	1.61588	4.02362	2.72079	2.4353	2.72079
2.42419	1.26782	2.41016	0.214264	1.32648	2.6041	3.48395	3.17282	0.738434	3.17282

2.69357	3.89447	4.32208	0.329437	1.65036	2.44647	2.07489	1.06961	1.13739	1.06961
1.57291	1.04959	2.70117	1.95721	3.08176	2.55334	2.21487	4.47	2.83099	4.47
2.7525	2.50839	5.15698	0.615234	1.97156	1.39105	4.35092	1.37146	3.65012	1.37146
1.12119	0.548004	2.26352	1.14417	3.48953	-0.68274	2.75104	1.2576	1.5224	1.2576
0.590271	1.72058	2.67758	2.99142	-0.72403	1.29529	-3.81894	2.77478	3.41309	2.77478
3.52374	2.72052	2.3656	3.32E-02	4.05014	-4.88E-02	-0.18506	0.325409	5.82254	0.325409
2.82379	1.83865	5.61795	0.927704	-0.2337	1.66986	2.16724	-1.9108	-0.10477	-1.9108
3.67416	1.96188	2.12805	2.36255	0.769745	1.05954	5.89374	3.73288	6.2691	3.73288
-0.78412	0.7341	0.558136	6.57166	1.26221	4.5647	3.841	6.84842	6.44681	6.84842
6.28E-02	1.2562	4.41852	-0.57559	3.33209	1.74207	1.01544	0.5914	2.94525	0.5914
2.13257	1.11896	-0.27393	1.63489	2.34537	0.710968	2.45892	1.63828	2.6156	1.63828
3.06201	2.31293	0.934265	1.35626	2.25037	2.46198	-0.11426	4.02112	4.40363	4.02112
2.26016	2.52255	-0.20743	1.06042	1.05496	1.14697	2.0979	2.98132	2.23938	2.98132
0.956635	2.07507	1.07385	2.11859	2.42136	1.57852	0.766479	4.26581	2.49719	4.26581
1.8302	2.44391	2.00119	3.88605	6.91E-02	3.52277	3.50311	4.63544	4.48541	4.63544
2.13919	1.01239	-1.96777	7.10E-02	4.52853	2.60925	1.68854	1.01218	0.98288	1.01218
4.03787	1.67838	1.60568	0.815826	4.99658	0.343567	1.21265	4.20178	1.74759	4.20178
3.34793	-3.19498	-0.3855	0.726776	3.03973	5.95807	2.08743	3.15338	-0.74225	3.15338
-0.10233	6.29688	2.39206	5.01431	3.53421	7.83875	-1.92526	-0.25842	-1.43359	-0.25842
-0.39673	4.94928	-0.27115	-0.65353	-2.51627	-1.23746	2.61182	4.08328	5.57172	4.08328
-0.6904	1.1539	2.32623	4.98135	2.25	1.3895	-2.32031	3.37973	6.0752	3.37973
9.95E-02	0.593384	3.20081	1.43359	2.6879	1.14536	-0.77646	3.14212	-2.09897	3.14212
-0.18341	-0.55035	3.59027	0.273682	2.87079	2.44467	-0.71658	2.5509	1.83389	2.5509
0.277405	-0.17758	1.16354	2.24326	2.09067	2.48538	-0.95807	3.43015	2.23532	3.43015
1.69867	0.11908	2.06647	2.26764	0.368256	2.16248	0.509399	1.78522	2.90298	1.78522
2.66031	0.683777	1.91006	3.272	1.41147	3.18555	0.569977	-0.2153	4.47189	-0.2153
0.79892	2.12122	1.67227	6.72025	2.46234	2.76175	1.72803	3.17014	5.67673	3.17014
2.5145	1.4364	2.55762	0.399567	2.29175	1.35745	2.72183	2.5401	4.4017	2.5401
2.86426	2.10867	-2.68661	-0.23828	2.97827	1.09537	1.06055	1.05188	3.42059	1.05188
1.85303	3.57092	2.772	1.33417	4.33475	1.11319	1.87924	2.26831	-0.34616	2.26831
-1.43793	3.37335	3.09314	1.56281	5.38959	0.354248	3.93262	-2.8367	-3.6377	-2.8367
2.65915	4.87128	3.27E-02	1.48996	4.82895	-2.79337	4.67001	0.710876	-8.24939	0.710876
1.42599	-2.80981	4.03775	2.00156	6.30191	5.62851	2.0491	0.56012	-3.51208	0.56012
1.9921	1.45718	2.08279	2.66791	2.67398	5.58755	2.80511	1.0802	2.04733	1.0802
2.30878	1.02966	3.5134	2.2598	3.06909	1.19687	-0.3411	2.52878	0.29248	2.52878
2.05661	0.713531	0.501953	2.19357	1.48148	3.314	1.98483	0.153046	-0.65918	0.153046
1.06378	0.304779	4.20798	1.49963	3.09384	5.3371	1.55899	0.841827	3.28528	0.841827
2.11423	0.447876	2.76196	4.5043	3.08325	6.26364	-0.19193	2.0173	1.8963	2.0173
1.1127	1.6225	1.46729	4.29053	3.32635	2.43835	-1.38089	3.75516	2.19531	3.75516
0.934998	-0.60809	2.20093	2.46747	0.122437	2.58456	0.834045	-1.11032	3.24469	-1.11032
-2.95663	1.89767	0.428497	4.05563	0.766571	1.23557	2.08517	2.841	5.63937	2.841
-0.61945	0.723145	-1.29849	-7.79E-02	0.186127	4.28076	4.44073	3.50589	4.04803	3.50589
3.68988	-9.74E-02	1.84546	-5.14047	4.33279	0.814758	2.98703	-0.48142	-1.87289	-0.48142
2.03806	4.55878	-1.00235	3.43375	5.84402	1.77945	1.15683	0.725586	-7.17828	0.725586
3.2507	-0.8858	-0.42294	1.17108	1.7572	-0.55478	-0.35062	-1.39377	-5.19888	-1.39377
1.14838	0.564484	-2.89169	1.87299	-0.67432	0.929962	2.64252	2.01871	1.95895	2.01871
2.68567	1.02957	4.26E-02	-7.57E-02	-0.77982	1.83157	1.7149	4.5929	2.32867	4.5929

2.93939	1.47244	0.425354	0.972473	2.17987	1.82938	2.33286	-2.15057	4.33371	-2.15057
2.49728	1.22906	0.982666	3.71524	1.38446	1.3967	1.3067	1.14761	5.37036	1.14761
1.28003	0.377075	0.46698	1.9249	2.91718	0.843323	1.42929	1.5567	6.0661	1.5567
1.95581	0.750702	2.54099	0.873932	0.918762	1.86356	2.13892	3.42776	7.57092	3.42776
-0.75732	-0.60239	-1.02368	0.898743	-1.97806	-1.49295	3.96835	2.16208	1.74689	2.16208
2.72955	1.54718	3.73038	0.131714	3.84308	1.27728	3.98547	-1.13141	4.02148	-1.13141
0.318054	2.98303	-3.6199	2.52267	0.244049	4.20999	2.18494	2.48801	4.21643	2.48801
3.00659	0.832062	-2.20053	1.3403	3.17191	-1.72324	-1.84537	3.29788	4.84082	3.29788
3.15536	1.65488	3.69556	1.87357	4.17035	2.60052	1.83304	4.94528	4.06223	4.94528
0.66568	2.96609	-1.78937	0.559662	2.29E-03	4.1669	0.556274	3.39471	2.30731	3.39471
1.66537	2.69528	0.200409	1.8446	3.97607	3.59476	1.87122	3.3457	4.86014	3.3457
1.38318	3.25424	-0.17691	1.45798	2.37067	3.08838	1.9035	1.892	3.44479	1.892
0.301392	3.00153	-0.35175	1.79138	-0.29733	1.60727	0.553253	2.51492	3.87012	2.51492
0.320465	4.37036	0.426666	2.40512	1.93185	1.0748	2.07761	1.67261	5.34769	1.67261
0.843109	1.84369	3.09106	2.46701	2.73196	3.97162	2.01328	3.11011	5.9422	3.11011
3.38382	1.64291	0.874298	2.41302	2.21756	3.31735	2.56122	1.15756	4.45163	1.15756
1.47708	1.58789	1.33774	1.47116	5.12402	3.29697	1.15054	2.2204	4.38651	2.2204
-1.03763	1.50607	5.7735	2.03583	4.39838	4.74026	2.10095	-1.18359	4.24899	-1.18359
2.35526	-1.67337	-1.25909	3.52179	3.14005	1.09E-02	0.92334	1.30399	6.25223	1.30399
2.63358	-1.91995	0.991943	3.43881	2.629	3.65665	-1.28088	2.43509	5.70862	2.43509
1.50165	2.32449	2.79413	5.77237	-1.09427	-0.42258	0.203522	6.1167	1.80783	6.1167
2.04428	4.6088	3.34125	0.696869	1.1412	2.75	2.05869	5.64102	6.06641	5.64102
4.8165	0.720581	-0.6843	3.40561	1.37659	1.99496	-2.64407	4.1145	1.33536	4.1145
1.10098	-0.71173	-0.84421	2.20059	2.96759	-0.89511	1.19812	4.2084	-1.11871	4.2084
1.17331	-8.82E-02	0.196442	-0.58582	3.40207	-0.50681	1.15225	2.23203	4.99823	2.23203
1.04788	2.56256	-0.15781	3.04623	1.09134	-0.21033	0.683807	2.4064	5.50317	2.4064
1.72144	0.798096	1.79977	4.31281	3.20566	-0.34027	2.08017	0.850311	3.8179	0.850311
1.13281	1.03131	3.53638	1.28143	-1.23685	2.76776	0.418518	0.817749	5.58252	0.817749
-1.03891	0.855194	2.49893	0.100342	-0.71277	1.38586	3.62323	1.3786	2.90558	1.3786
1.14636	1.70987	-0.3183	0.494324	3.47919	3.47678	0.390869	3.29459	3.09827	3.29459
5.64075	0.487518	-1.94141	-1.56613	4.13034	3.77158	0.280823	3.05139	6.16135	3.05139
4.2522	4.66095	4.84137	1.35953	2.4097	6.09744	1.63702	4.388	-1.94888	4.388
3.62567	3.8887	3.94675	0.684967	1.45892	1.52765	2.67703	-0.55701	-4.65518	-0.55701
0.463989	1.06351	1.86356	1.28006	4.6781	2.875	4.45837	3.77063	1.28952	3.77063
2.1813	2.84949	-0.3782	2.4599	2.17239	-1.16663	3.66544	3.68872	4.92984	3.68872
0.302582	0.716644	3.10849	1.57037	2.43549	1.51859	1.62592	0.326599	2.57629	0.326599
1.48901	0.260834	2.26004	1.13177	1.43817	2.85797	2.69363	4.19153	2.76791	4.19153
2.16797	-5.54E-02	4.05289	1.75003	1.37686	1.84879	2.8428	2.84302	4.12567	2.84302
1.42413	1.09018	3.55948	4.78909	2.73386	2.00522	3.85138	2.11761	5.77731	2.11761
1.995	1.04779	-3.62012	4.25812	3.90384	1.90976	3.31003	2.65366	2.06573	2.65366
0.583496	2.14359	-0.34537	2.47336	5.36642	1.40555	2.60953	1.79248	4.24069	1.79248
1.19485	2.97137	2.57269	-0.51178	3.81607	-1.01993	1.10938	2.5867	4.48129	2.5867
1.55353	1.86404	0.221191	1.06009	-1.26096	-3.04053	5.17062	0.869904	4.29944	0.869904
6.99799	1.20355	4.79605	2.6799	2.43881	8.12836	3.29202	3.92728	4.70541	3.92728
5.58545	3.108	-0.34296	1.95837	2.17294	1.79044	1.54611	7.4917	-1.11E-02	7.4917
3.96118	0.709106	2.76166	5.89026	2.06009	-0.95468	2.9458	4.76663	1.03751	4.76663
4.86398	2.4328	-0.2544	3.39688	1.88629	-1.09253	0.914124	3.05112	2.60333	3.05112

1.56909	1.03735	0.241394	-7.52E-02	0.148376	0.501465	2.80841	0.409302	4.53479	0.409302
3.2847	2.21304	0.80365	0.142059	2.19046	1.81659	3.64413	1.95615	-0.32047	1.95615
1.86267	1.69357	-0.30423	1.82642	2.78265	1.82819	5.6666	0.688019	5.74759	0.688019
1.85312	3.41589	5.98E-03	0.7659	3.08606	-0.44537	4.24899	2.9834	5.27649	2.9834
1.64221	1.83542	1.2435	-0.43518	1.95145	1.22076	2.23431	0.533356	5.88303	0.533356
2.93E-02	1.6225	0.92334	3.10077	5.80902	1.45004	1.40295	1.28699	1.31958	1.28699
-1.48044	0.559998	0.892181	2.56482	1.50269	2.50867	4.75577	0.423309	5.55209	0.423309
1.40024	2.08014	1.30301	1.14127	-3.84616	4.22186	-0.49918	0.598511	6.95413	0.598511
0.966187	5.82648	3.52615	1.23801	-1.198	-1.00604	3.40543	1.96088	9.41541	1.96088
3.58807	0.480377	-1.47687	0.10257	-2.99176	-2.17087	7.35944	4.83588	5.56891	4.83588
5.091	0.348694	0.591858	-1.13693	1.67719	0.954498	6.5238	2.80902	6.35971	2.80902
3.8378	2.69998	1.90E-02	-9.16E-04	1.91937	-1.82355	1.17181	-1.79938	4.00223	-1.79938
1.39667	2.50946	1.3801	1.04117	1.51877	3.12888	2.3027	5.20569	2.9668	5.20569
3.16571	1.37323	2.57407	1.29437	3.89737	3.22827	3.03653	2.43362	3.52222	2.43362
1.69476	1.90567	1.9903	0.537842	3.65744	2.6767	1.444	1.67633	4.47089	1.67633
1.39212	3.07559	4.96378	1.02359	-0.12744	1.62943	3.41037	1.45709	4.8277	1.45709
-1.11139	2.93152	2.37747	0.437225	3.10886	1.83856	1.68073	3.10175	6.00793	3.10175
0.989777	7.81E-02	2.07175	0.644958	4.07944	0.579071	3.08383	1.24988	4.1395	1.24988
-0.92783	1.91537	0.105896	-1.90387	2.62878	3.52499	4.75327	0.619293	3.62607	0.619293
-0.52237	-1.49725	-1.638	3.20798	6.86E-02	1.93979	3.57812	-0.7626	8.95633	-0.7626
1.86499	4.35107	2.48706	0.912506	3.74219	-1.14084	2.96283	1.62549	2.09082	1.62549
6.28485	1.6687	6.46573	3.43646	7.34512	1.07184	4.58212	-4.52182	-0.45248	-4.52182
1.42758	5.47958	4.20395	4.80286	1.56641	-0.28638	2.61038	-2.05737	-2.28149	-2.05737
2.797	0.214294	4.12082	-1.1799	4.42E-02	-2.92E-02	1.02924	2.7731	2.45535	2.7731
1.25748	1.75626	0.831573	2.67407	0.62619	-9.66E-02	1.78723	3.65479	2.23199	3.65479
1.19382	2.01562	0.290466	2.29037	1.59668	0.220276	2.18414	2.37283	4.51913	2.37283
2.80328	1.81915	1.79898	1.67133	0.851868	0.709778	0.665283	2.38193	5.04468	2.38193
3.17633	2.68088	2.27026	1.24121	2.20496	2.26553	0.803192	4.81	3.26541	4.81
1.11761	1.42059	1.24768	1.99805	3.69635	4.74945	0.829315	0.514343	4.05762	0.514343
0.408997	2.43451	-1.61697	0.817352	2.01434	1.36926	2.03024	1.9505	6.603	1.9505
2.42426	1.96237	0.591003	2.83734	2.75537	5.50339	3.82437	0.453796	3.16699	0.453796
-2.19025	4.79022	-3.40851	1.96878	-0.25046	2.16437	3.52493	-0.38101	3.86954	-0.38101
5.8768	1.50507	2.30026	5.07852	3.63501	2.12555	0.953125	1.34088	3.49631	1.34088
5.27747	7.173	3.62103	3.74088	3.38812	0.485352	1.70914	4.6586	-1.57489	4.6586
5.88089	2.35321	4.33844	4.43338	4.70911	4.71591	0.253601	2.35382	0.551819	2.35382
2.61368	1.63858	-1.43359	2.0918	-1.39923	5.30676	2.73322	-0.5437	-5.46E-03	-0.5437
2.09729	1.19885	-1.0036	2.21527	1.39258	1.93088	3.27902	2.24759	1.67749	2.24759
2.05832	0.73584	1.24344	-1.39633	1.03665	2.47998	3.94824	2.62683	2.61234	2.62683
1.61746	1.93686	1.02307	2.07382	1.68985	4.28568	1.1376	2.14212	3.12848	2.14212
2.38931	0.853394	1.69586	1.72711	1.95416	4.45673	0.631165	3.65622	4.9433	3.65622
3.20901	1.61639	-4.88E-02	1.68112	0.693848	-0.48755	0.64032	0.960358	7.62741	0.960358
3.73309	1.2084	4.76123	1.14914	2.41513	2.46265	2.69934	3.77258	2.06979	3.77258
2.18326	3.66379	1.96289	2.43362	3.56409	2.43228	-0.34644	3.061	5.57968	3.061
1.31003	-0.41827	-1.392	2.14929	4.83084	3.48837	1.74924	5.10291	6.62714	5.10291
4.06567	1.87915	2.98895	3.6015	5.64789	2.00357	3.17041	2.19479	0.594025	2.19479
3.64505	5.51758	4.21713	-2.96744	3.16354	3.34293	3.63214	2.67929	-2.66809	2.67929
4.22278	2.1474	3.44424	2.40036	1.54099	2.6666	3.5365	2.52213	-0.55179	2.52213

3.72598	0.901978	0.637115	2.0773	1.37787	3.21356	-0.29938	0.651703	2.04745	0.651703
3.38168	3.44855	1.80069	4.13327	0.555664	1.99429	0.683319	-0.86112	3.18658	-0.86112
0.220093	2.49783	1.14355	1.62427	1.47296	0.426392	4.29785	1.73373	2.10062	1.73373
1.43878	2.47006	0.607666	1.24103	2.36206	2.90018	3.42279	1.66531	2.80457	1.66531
3.82532	2.57578	2.81888	0.553589	2.21405	3.36374	5.37787	2.51721	5.60809	2.51721
4.83621	0.799408	1.0134	3.10825	3.15265	3.01227	5.48773	4.48135	5.73523	4.48135
2.62979	1.5871	5.19183	3.21304	0.268524	1.83975	2.09564	0.981201	4.1662	0.981201
2.02087	2.4144	0.389587	3.06134	2.44669	-0.98102	-0.15814	1.20221	4.46317	1.20221
2.20743	0.872742	-3.87469	3.07529	2.56235	-3.84912	1.21594	2.80829	7.73645	2.80829
1.30109	5.32217	1.89017	-3.58109	0.987793	-6.37134	-1.27856	5.1413	4.45523	5.1413
2.31985	5.21738	1.73373	4.08566	1.89713	2.43515	1.00504	3.37598	-2.62488	3.37598
0.103577	2.80481	5.74765	3.70578	0.875488	2.73361	2.8504	2.29044	1.6828	2.29044
2.9668	2.89429	1.98291	1.11069	2.7168	2.35297	2.85022	0.116425	3.53516	0.116425
3.48468	3.46365	2.77448	0.102173	3.80048	0.680786	2.80063	2.51648	2.47128	2.51648
0.129303	2.57404	0.559967	1.81107	0.590576	0.533783	2.96704	2.34503	4.45932	2.34503
1.39917	2.97556	2.12238	1.34622	2.56946	0.905273	3.88458	2.11752	5.97748	2.11752
2.55603	2.9259	5.14908	2.62051	1.14896	1.83353	3.03329	2.02051	4.26349	2.02051
2.15262	3.9252	1.4776	3.05E-05	3.60416	2.01868	1.62872	2.90924	5.18472	2.90924
2.48218	2.6218	2.37164	1.74527	3.05414	2.71954	2.28885	4.49319	5.6041	4.49319
-6.16E-02	1.48007	1.06699	0.337524	2.67767	4.69089	3.73026	0.394684	3.84518	0.394684
-1.61496	4.26752	2.91071	2.44238	1.36633	2.95358	3.47153	2.57401	5.61313	2.57401
6.99539	3.46277	2.10825	1.2001	4.51E-02	0.718048	4.73752	5.13879	-0.30219	5.13879
6.90375	2.3042	-2.15E-02	2.26776	-4.80917	2.68274	5.77014	1.42368	-2.06198	1.42368
1.27188	-1.40E-03	0.79425	4.77728	-1.22751	-1.26318	4.4057	-4.59E-02	4.7486	-4.59E-02
1.77908	2.45468	1.10092	0.62088	-1.53311	3.40295	0.506226	-2.03839	0.385834	-2.03839
2.15448	0.491852	0.161682	1.05197	3.04868	1.41968	3.72241	2.81708	3.1897	2.81708
1.7294	1.42944	-0.11115	3.19678	1.22928	0.427368	1.06015	3.42914	6.33502	3.42914
0.976074	3.82977	0.914368	2.92651	1.75415	2.19888	2.77579	3.44702	3.43756	3.44702
3.97812	2.3653	1.75888	1.366	3.64017	2.66742	2.17667	3.70682	4.94449	3.70682
1.23691	2.28812	0.681091	3.61212	2.35596	3.92627	2.8063	3.04333	4.10773	3.04333
2.54907	1.6427	4.14194	-0.16345	5.70523	1.68317	1.28806	4.845	5.0311	4.845
0.915955	3.89279	0.206085	3.75092	1.61459	1.72037	3.56006	-0.88791	4.42578	-0.88791
2.70975	4.88693	-4.25232	-2.05441	2.89645	2.55789	2.68192	1.7514	7.11014	1.7514
4.09488	5.53647	1.30035	0.588226	-2.74951	0.369843	-0.27136	3.61029	7.82553	3.61029
4.14056	0.164886	1.83115	-0.18884	0.437134	5.02835	8.03134	4.7037	1.19312	4.7037
4.00058	4.39731	0.358948	-1.10114	-4.24139	3.0437	-0.216	6.35074	-1.22E-02	6.35074
1.13068	2.4317	3.58142	1.06891	-1.0386	-1.08084	3.29813	-6.93E-02	0.115936	-6.93E-02
1.70209	1.81897	0.459198	1.02109	2.68109	1.02039	3.77002	1.30099	3.25729	1.30099
1.9201	2.44162	-0.56995	0.782166	2.93997	1.63699	2.30225	3.02844	3.86823	3.02844
2.48148	1.94757	0.887085	0.561737	2.04324	1.92337	2.97339	3.66052	3.77869	3.66052
1.76053	3.4437	2.66028	0.891205	1.70996	4.87982	3.79037	1.88181	4.64581	1.88181
2.31891	2.28549	-0.65631	2.75143	3.15894	5.94846	1.67532	1.43985	2.76624	1.43985
3.6337	4.01569	-0.46817	1.79996	1.24362	1.85605	3.99805	5.55179	1.76239	5.55179
2.88977	1.04358	5.4458	2.21692	0.219971	4.33829	2.11057	2.86218	6.00668	2.86218
5.66345	0.293335	-1.9249	2.00107	5.35123	0.522186	-0.58496	6.1257	5.73785	6.1257
1.2966	4.91455	3.03165	-2.08539	2.33331	2.92517	0.619812	4.31519	2.06982	4.31519
3.19247	3.3797	7.26874	-2.56454	7.15253	6.45532	4.40143	3.95239	3.35632	3.95239

4.49069	3.6463	4.65085	0.233459	2.68179	2.06781	5.5231	2.51962	1.8053	2.51962
2.09399	2.3219	1.24872	2.27139	2.7941	4.04807	0.290131	2.6994	2.59784	2.6994
2.85657	0.814972	0.983093	1.89349	1.10507	3.52817	7.98E-02	2.48398	4.15698	2.48398
2.32611	1.37192	1.11575	1.30038	3.14526	2.95029	2.63855	0.692719	5.74911	0.692719
2.59988	3.23828	0.70697	3.01553	1.10614	4.13467	2.34988	3.62241	6.12897	3.62241
4.05252	2.52719	2.06506	1.63879	4.54965	1.82373	2.69449	1.59131	3.556	1.59131
2.09219	4.91492	2.83279	-5.79E-02	6.52115	1.84695	1.52493	1.04416	5.56073	1.04416
3.14728	2.44461	1.68613	2.60876	3.73764	1.02026	-0.34146	3.40659	7.98428	3.40659
2.64487	1.17938	5.12128	3.86102	2.30017	-0.53571	1.23245	1.12949	8.16E-02	1.12949
1.80984	-1.40128	2.67688	1.18839	-0.81497	4.85226	4.62152	5.18271	7.35464	5.18271
3.8642	1.15735	1.26785	4.47321	4.91962	-0.55466	4.91922	5.96149	-1.70108	5.96149
6.49246	-1.54822	3.81033	1.27667	3.20395	1.50705	-0.58597	3.4982	-0.22278	3.4982
0.874786	0.420685	4.10794	5.67288	0.72821	7.09	2.17728	4.20804	5.32651	4.20804
2.49399	2.3869	3.50522	0.83609	2.4585	1.02628	5.13803	2.1412	4.54465	2.1412
3.14706	1.48477	2.45639	0.375488	4.43097	0.584076	1.89423	2.0708	4.4476	2.0708
1.22971	3.22534	1.66367	2.85217	2.08408	0.593689	3.02344	4.08423	2.24023	4.08423
1.74246	2.00388	5.10049	-0.24368	3.17154	1.00967	3.1568	2.84622	4.77316	2.84622
2.32532	2.7674	4.44168	1.06769	3.87067	1.52414	1.22308	2.95392	3.29102	2.95392
1.23981	1.4689	4.12747	0.930634	1.22794	4.10776	0.761017	1.91174	4.67712	1.91174
1.12668	-1.19891	2.28134	1.38275	2.71344	4.15445	1.19974	0.656677	3.25888	0.656677
5.34128	3.91458	2.93E-02	1.93802	3.14838	4.71738	2.43076	3.4794	3.55499	3.4794
-2.39584	4.20502	2.30389	-0.13113	1.14035	3.96268	0.529633	5.24411	6.08713	5.24411
6.06699	5.31357	0.538666	1.42432	0.829712	4.75937	0.564911	3.47498	9.06793	3.47498
2.47546	4.6293	4.63623	7.09195	1.22214	5.59814	-1.57858	4.68378	1.13672	4.68378
4.1358	3.23608	1.67725	3.40796	2.71768	9.64E-02	2.1145	5.77942	0.452911	5.77942
1.89899	4.2009	-1.39658	1.4939	4.34387	1.09677	2.37262	1.8652	2.15103	1.8652
3.55847	2.97906	0.348694	1.94958	2.46088	1.28708	1.37531	2.91599	4.7377	2.91599
3.56891	0.798218	2.39905	0.658264	2.58105	2.59518	4.25394	2.38504	5.01282	2.38504
3.49207	2.23495	0.578888	2.35834	3.01486	2.84528	3.91638	3.88373	7.11868	3.88373
2.91782	2.32938	1.28256	1.95499	1.91977	3.67664	5.19238	3.1355	2.5473	3.1355
3.36792	3.16391	2.62878	4.47583	0.996063	2.99545	2.67642	5.62466	5.92303	5.62466
1.43387	2.82339	6.32123	5.78766	0.187225	3.91406	2.70624	2.75568	3.08521	2.75568
2.72528	0.247772	-1.01062	3.56854	3.22189	4.29147	0.973969	3.32639	2.74039	3.32639
-0.14377	4.16992	2.58978	2.9791	1.71335	-0.37643	1.02243	1.23538	0.871735	1.23538
3.09879	5.19446	-1.33853	0.948303	1.49442	2.64056	3.89603	2.8425	1.81451	2.8425
3.68066	4.48169	1.19815	3.78665	3.21234	6.58603	0.657715	5.97269	1.94522	5.97269
-0.6571	4.30209	-3.30746	4.73956	1.69308	3.66412	1.3768	-0.85046	6.60712	-0.85046
1.51968	2.5069	3.45822	1.76401	4.48578	-1.35684	2.86612	-0.89999	3.83633	-0.89999
1.49799	1.20184	0.874695	-0.46292	2.22467	0.706268	2.76422	2.98389	4.45108	2.98389
1.61639	2.15802	1.41605	2.36966	1.29358	1.68527	0.782532	2.31644	2.66382	2.31644
0.42157	3.23495	5.00107	0.15152	2.22256	2.16879	1.08069	3.44553	4.82086	3.44553
2.86124	4.0184	4.01016	2.29129	3.95596	0.790436	1.60349	2.883	3.49771	2.883
2.48972	2.23669	1.90048	2.44443	3.83566	2.78317	1.15411	1.28174	6.69812	1.28174
2.60699	2.39221	2.43112	4.81445	1.15463	3.19046	0.785248	1.51657	2.98578	1.51657
2.08978	2.0954	3.80429	3.49524	1.83029	5.86749	3.10315	2.59119	6.10269	2.59119
4.08994	0.162323	2.44431	0.468079	2.78714	2.27197	1.94324	1.57541	3.49573	1.57541
5.10068	5.39767	3.38156	-1.44629	3.34009	0.477051	1.77493	0.714478	0.106628	0.714478

3.25305	2.53769	4.03714	1.30386	-0.31598	-0.86795	5.18591	4.04398	0.258423	4.04398
1.84769	4.3558	2.80014	4.07596	5.85001	2.24042	7.7294	-0.95328	1.07782	-0.95328
4.4335	1.15179	1.12469	2.14328	1.86298	1.98798	5.28491	-0.11807	2.62613	-0.11807
3.61087	0.948944	0.606201	0.38028	1.38986	5.54337	1.99292	3.89359	4.5683	3.89359
3.9137	0.16983	1.05997	1.50708	0.992065	-0.45151	2.50323	0.745636	1.23953	0.745636
3.67007	2.02936	1.0239	1.72052	2.09695	2.11627	2.14899	1.70343	5.06839	1.70343
4.27942	1.7193	2.10516	0.610901	3.14847	2.65234	2.89008	3.33542	4.66379	3.33542
2.02921	2.68912	-0.24631	0.852142	4.56464	1.30746	2.49863	4.82654	3.98712	4.82654
2.05368	0.117401	2.60913	3.28177	3.30945	4.12405	1.21555	1.0546	3.43088	1.0546
-0.32465	3.92239	2.789	0.989014	4.25839	3.39667	3.09406	0.941101	5.51987	0.941101
4.68774	4.07343	7.03448	-3.99942	4.68524	5.97058	2.28522	1.0383	4.25354	1.0383
4.55859	4.96866	4.46747	5.72241	-0.772	4.14896	3.80383	0.563477	-1.0575	0.563477
0.187561	4.61258	7.83823	2.19138	3.89423	1.50903	1.74243	-6.80E-02	2.0509	-6.80E-02
2.21948	4.45059	3.77905	-0.30054	1.64371	1.0885	3.95999	-0.36697	1.8707	-0.36697
2.8801	1.95108	1.9292	2.63348	1.53738	1.36597	1.01602	1.72952	5.68564	1.72952
0.119263	1.91907	1.97549	2.60349	0.447662	1.17618	4.9295	-0.3772	0.558289	-0.3772
0.421509	0.972137	-0.19504	1.99976	0.941376	2.02057	2.75763	1.42E-02	3.77731	1.42E-02
1.98447	1.48978	2.37888	2.55862	2.14874	0.70459	5.20428	2.30371	6.42166	2.30371
1.98163	0.362579	2.91568	2.53491	3.31146	2.60645	4.26828	3.15622	4.80029	3.15622
2.01181	1.86911	1.54779	1.12512	4.21716	3.08127	3.06931	4.50766	6.44254	4.50766
2.76199	2.24069	1.49274	-0.88376	5.55203	5.83624	-0.32517	0.800598	3.70059	0.800598
1.98526	2.3425	-0.6073	4.09964	2.08557	2.01407	1.55807	3.12119	5.28317	3.12119
3.48685	4.00E-02	-0.12302	5.11099	1.68985	3.76758	1.97672	5.8642	8.01984	5.8642
5.96307	6.12747	0.918762	6.91132	2.86761	3.12796	2.02472	4.10278	2.68491	4.10278
-1.53885	5.51559	-0.25537	2.27017	5.07135	1.46603	2.23404	2.5451	3.72681	2.5451
-0.20313	3.00131	0.727051	-0.25473	4.82E-02	-0.293	7.4064	6.15442	4.02542	6.15442
2.60809	3.383	-1.0325	3.358	4.05188	2.90576	3.74503	5.2673	2.37573	5.2673
2.03397	1.63367	-0.49731	1.88748	3.82977	2.71948	3.89163	4.16	3.61368	4.16
2.9003	1.00043	1.28345	0.154266	3.33255	3.36157	2.38815	2.44794	2.87653	2.44794
3.05127	2.27386	2.71387	1.74652	2.49805	3.5835	3.07739	4.00162	5.75787	4.00162
4.44254	2.2894	4.17236	3.45889	3.39438	4.41183	3.45929	3.55099	3.79572	3.55099
1.5257	3.1217	1.94397	2.10422	3.55115	3.57065	3.6907	0.679962	6.14954	0.679962
2.04248	4.27081	-0.61258	1.97934	3.47314	1.58475	0.529144	2.43228	3.70898	2.43228
0.170166	2.10397	0.769287	1.15833	4.7558	3.89297	2.57785	2.68988	-0.65332	2.68988
4.38464	1.54822	-1.27332	2.81949	-2.92297	4.92987	3.60034	2.35559	4.13025	2.35559
2.8927	-2.49902	1.64267	2.3446	3.78812	1.09955	3.06232	5.33878	2.31851	5.33878
1.15826	2.11438	-4.89236	2.39697	7.10794	3.82474	5.36E-02	5.25909	4.7124	5.25909
-2.457	2.686	0.96875	5.42188	2.5943	4.86871	1.16519	0.155029	6.53381	0.155029
2.7612	2.20239	0.834198	2.68188	1.50427	1.42456	2.78424	-1.1062	5.65955	-1.1062
1.89847	0.47757	0.46759	0.762299	3.26556	6.18179	4.17612	5.72589	3.47369	5.72589
0.853119	5.36224	1.42776	2.73337	2.33008	0.647797	1.46213	4.90582	4.81601	4.90582
3.24527	7.84607	2.95529	2.82544	2.67145	1.31589	1.03738	3.71561	6.15027	3.71561
1.92593	7.02789	3.08975	3.284	4.32516	2.79892	2.26749	2.95721	3.1091	2.95721
2.48471	3.5032	2.71219	3.26685	1.43674	3.98267	3.41342	4.08765	4.02502	4.08765
1.11978	3.13971	5.54733	1.88034	2.61032	1.36395	3.10745	3.24197	4.0965	3.24197
2.01697	3.71478	1.8689	2.75522	4.50067	2.02148	-0.96252	3.79019	3.83847	3.79019
5.14905	2.71854	-1.01642	-0.57251	2.51245	3.53949	3.28894	0.574493	4.15915	0.574493

5.60468	-0.27893	1.79816	-1.66687	2.46649	5.01956	0.502411	5.04868	6.67062	5.04868
5.02057	6.92789	-0.57077	1.48697	4.78363	4.01874	5.60672	4.65979	-0.70398	4.65979
2.8161	2.556	3.13263	0.449982	1.35049	4.3707	7.2558	4.12051	8.0542	4.12051
3.6651	2.40268	0.249298	0.607086	2.40167	1.30597	3.62543	2.138	4.91965	2.138
1.22717	3.04007	2.75818	3.14349	3.48248	0.741394	2.43182	1.70108	3.71289	1.70108
2.6272	3.49384	4.11307	1.80118	2.60327	-2.38931	4.12433	5.94122	1.89752	5.94122
3.32327	3.94907	3.18668	1.21121	3.33127	2.17587	4.27881	5.64853	3.40057	5.64853
1.72293	3.8804	2.81818	0.876404	3.74026	2.69864	0.259674	3.3497	5.1893	3.3497
2.44891	2.25702	0.658783	3.19843	3.88184	1.83716	1.70331	2.69565	3.89883	2.69565
2.3335	0.922913	0.287537	2.02405	4.92032	1.92065	1.29364	3.00787	3.89789	3.00787
1.46777	-5.49E-02	0.567383	1.60803	1.73099	2.86618	2.55377	0.208496	4.51068	0.208496
4.80325	-1.32776	1.74908	3.72018	2.25134	3.08237	-0.31186	3.121	-2.36215	3.121
5.07828	1.03577	1.13806	4.00381	0.912598	4.14685	1.63272	2.19308	-3.14719	2.19308
0.554077	4.79599	2.55984	5.78766	6.87085	2.33725	4.59521	4.68558	0.998627	4.68558
3.97809	0.162994	2.43155	0.32547	2.88348	4.3403	4.5188	4.72223	3.48831	4.72223
2.37527	-0.17392	0.171997	-1.42862	0.473572	3.31287	0.849121	1.69412	2.51443	1.69412
1.61987	3.87735	0.850189	2.0976	0.917969	2.78778	1.76743	2.2522	6.88419	2.2522
4.875	3.41043	1.73746	1.51566	2.40405	2.28427	2.34393	3.15973	7.38553	3.15973
1.61719	3.94757	0.872284	1.73242	3.46466	1.82797	3.103	1.80902	7.37158	1.80902
1.89462	2.8909	2.26855	2.83731	4.83307	-0.43448	2.41617	2.34491	3.28821	2.34491
1.61032	1.41531	1.73959	-0.40738	5.37015	4.49338	1.61951	3.79404	7.45374	3.79404
3.59979	1.74399	2.37152	0.367645	2.72223	2.91617	-0.15427	1.76779	6.94791	1.76779
4.14877	1.58197	1.21198	1.28482	3.81387	5.80447	2.37225	3.42178	1.52228	3.42178
1.13254	2.86633	0.2966	-0.32581	5.82773	1.66199	2.55154	4.3631	7.59314	4.3631
2.1937	0.793152	1.06564	-1.30E-02	4.8476	4.66077	-0.78189	2.05978	9.29E-02	2.05978
5.62695	5.71017	0.238129	2.66217	-0.50827	2.32333	4.57382	3.03479	-4.54239	3.03479
-0.19742	3.38199	3.55914	1.77078	3.2605	2.58331	3.38849	1.35553	4.37271	1.35553
2.59399	2.9744	1.90872	2.62131	4.12289	4.14877	0.240631	4.5679	3.37433	4.5679
2.28537	0.409943	2.1969	1.51639	1.57669	4.18109	2.51923	0.824005	4.01797	0.824005
3.14542	2.64404	1.48236	2.20618	3.25818	4.57007	3.00195	1.21283	1.51541	1.21283
1.55179	2.37766	2.10297	2.11734	2.29395	3.62659	1.0426	1.04721	4.55316	1.04721
2.99783	2.40417	4.73715	3.94211	2.00085	3.92654	2.74887	2.5882	5.3663	2.5882
1.67709	1.5289	3.70789	3.80225	3.02786	5.47757	1.69812	1.49774	2.44641	1.49774
3.03067	0.275696	2.52432	-0.58545	0.429047	2.45905	2.44443	3.67578	5.34869	3.67578
3.69577	3.7504	1.66699	1.93634	1.95947	2.03317	2.95135	1.6293	4.18359	1.6293
3.84045	1.62402	-0.65411	-0.16641	3.27353	2.31848	4.75104	4.99411	7.71454	4.99411
5.70947	4.50278	2.39035	4.41733	2.14542	-5.76004	3.53253	8.07709	1.63522	8.07709
4.00497	-0.9964	1.40424	-0.22205	4.23734	3.92145	4.63922	8.3671	-6.65808	8.3671
3.14209	1.75781	1.28943	0.696777	1.55771	0.775024	5.87509	4.79861	-2.98068	4.79861
2.56479	2.409	1.23871	1.11069	2.09747	4.25256	-2.13086	1.98132	2.08963	1.98132
2.36948	4.07767	1.6969	2.99408	0.750092	3.99078	1.44583	1.92828	3.34888	1.92828
1.75772	0.465027	3.80066	2.46127	3.46725	1.36627	2.97855	0.939423	2.33011	0.939423
2.51498	2.99475	5.15518	3.53302	3.16776	3.18719	4.01889	2.77771	3.66019	2.77771
2.50143	1.1445	6.85416	3.64679	1.92798	3.60742	2.69797	3.2659	5.87079	3.2659
2.59512	4.54739	3.6633	1.43942	3.49304	3.41327	1.1842	1.60876	3.75891	1.60876
-0.95712	0.763397	0.738342	4.31625	2.58322	4.31366	2.19794	2.58047	4.58099	2.58047
1.79666	-1.15863	2.80737	4.40024	-0.30472	0.651794	1.04755	2.7836	4.98898	2.7836

5.22983	5.47583	0.43988	2.57788	0.187439	0.419769	3.75674	3.73941	3.74185	3.73941
0.368286	7.33337	5.24484	2.04593	-0.30191	2.61224	3.89981	4.42389	0.279419	4.42389
1.01007	7.26318	3.00644	6.77E-02	2.79984	3.72733	2.67624	3.85449	-1.60287	3.85449
2.81668	6.29678	1.59344	3.64487	2.27771	0.531525	-0.62582	1.70032	3.4595	1.70032
2.54529	2.62479	2.0361	0.812592	3.63089	3.33377	0.360016	3.73941	3.19974	3.73941
2.13837	1.80585	2.24799	1.55188	3.02158	2.04968	3.93903	5.7861	3.85428	5.7861
2.32651	4.50824	1.77496	3.72736	2.57626	1.9415	1.28073	3.10553	2.68903	3.10553
2.20947	2.84155	1.82739	1.70172	1.25156	3.61627	3.0282	3.64371	4.86038	3.64371
2.35101	3.0134	3.84296	4.58331	4.06015	-0.78388	1.83109	3.31302	4.10989	3.31302
3.77072	2.44022	3.65979	3.76215	2.76776	2.68176	0.633209	2.56165	3.58731	2.56165
2.29419	0.914703	5.51764	6.38965	4.44443	4.70074	0.960541	0.237701	5.52408	0.237701
2.83936	3.19019	1.15988	3.83524	-4.58762	3.84677	3.40796	1.64481	6.50418	1.64481
3.04205	4.37012	1.05148	0.759766	2.28064	0.56369	0.559631	3.33551	7.54303	3.33551
6.97137	4.92587	3.74084	3.11111	4.1713	1.88095	4.82993	7.70639	2.70081	7.70639
1.76437	4.28458	-1.24637	1.70737	2.57294	1.70975	7.10242	7.69498	3.80542	7.69498
1.6167	7.78409	1.70096	-1.90454	3.70709	3.53732	1.62347	5.89511	4.78741	5.89511
2.53259	3.09518	-0.9064	1.43719	1.47968	0.645264	1.21854	0.2995	1.01154	0.2995
1.73108	3.68387	-0.25052	1.53967	3.08627	1.31738	0.628204	5.27649	3.71597	5.27649
-0.24451	2.09055	-5.15E-02	2.13068	2.42465	1.75107	1.79703	3.30273	6.50034	3.30273
0.420776	3.32898	2.20828	3.24533	1.77216	0.181488	3.14899	2.64633	5.51758	2.64633
1.48871	2.75058	1.20108	3.84799	3.09818	1.40234	2.80649	5.02951	4.3223	5.02951
0.669922	3.4614	0.4133	2.11365	3.15976	2.57925	4.1347	3.31915	7.86743	3.31915
2.46457	1.64828	2.17584	-0.43713	1.66653	3.53455	2.53464	2.306	2.98709	2.306
1.05606	2.62219	-0.56732	3.92883	4.61478	3.87827	2.70438	3.2962	7.83478	3.2962
3.22556	2.13583	-3.30951	5.35489	4.49844	4.41718	1.14133	2.83279	5.96924	2.83279
7.48209	-0.58673	2.21246	1.66452	6.12061	6.32394	2.41504	3.2489	6.55963	3.2489
3.77615	1.11029	1.43823	-0.84085	3.51443	3.32764	8.20102	6.76108	2.8067	6.76108
2.91318	3.61411	3.65704	1.57697	2.08551	5.31512	8.48428	7.81894	-6.08878	7.81894
-6.48E-02	3.25418	-0.28909	1.71631	6.22577	1.74506	3.89493	3.46503	0.855957	3.46503
0.531464	1.37576	-0.10941	0.354797	3.96027	2.26257	5.23813	1.66638	5.11758	1.66638
1.61569	-5.94E-02	-0.60376	1.16376	4.37167	3.55798	6.93103	3.12134	5.65262	3.12134
2.53107	2.38498	-0.23651	2.78174	3.74356	2.45648	5.2189	2.33023	5.32806	2.33023
5.52652	2.92349	2.84067	2.91629	3.04947	1.98505	4.27518	1.0217	2.6373	1.0217
4.60641	2.03009	3.11539	3.31024	3.06464	1.00305	4.20352	3.23926	6.67853	3.23926
-4.50E-02	1.0127	2.89273	0.993164	3.93304	-1.03015	1.96014	3.81339	5.07129	3.81339
1.47638	3.68958	3.58627	5.08322	5.62549	5.74387	1.69165	8.51E-02	5.30298	8.51E-02
0.861328	2.76572	4.87311	-0.59302	2.37985	3.52939	1.18353	5.57141	-0.90707	5.57141
2.20258	2.74615	5.78366	4.8327	3.01221	-0.21014	-1.95929	5.95279	3.96722	5.95279
3.56927	2.09399	2.11133	4.33276	3.47314	1.66245	-1.67038	5.50858	4.1683	5.50858
2.5816	3.7746	1.57355	4.26007	3.92691	4.78171	1.728	4.92142	5.0184	4.92142
2.86429	2.8927	0.861511	2.04068	3.44699	-2.30295	2.30713	2.08063	4.48325	2.08063
0.715363	-0.15765	1.88858	2.21249	4.44748	0.941193	1.04691	2.74789	5.68088	2.74789
1.405	2.38583	0.339142	2.47867	2.70355	1.13309	-0.60776	2.17654	3.67142	2.17654
0.90799	3.86707	1.41708	1.56033	1.84546	2.30908	-0.18192	1.11401	5.37177	1.11401
2.17242	2.7829	2.13248	3.92761	3.61658	1.49893	4.34137	2.21692	7.37891	2.21692
2.67572	3.25681	3.49469	1.68683	0.793243	3.29807	1.30493	0.563354	6.86252	0.563354
1.54477	2.9111	3.85583	6.34E-02	1.54993	0.88385	1.78156	-2.87482	5.07629	-2.87482

1.24615	0.747772	2.79129	3.18964	6.4863	1.73029	2.97205	1.54111	6.99167	1.54111
-0.81155	1.10394	-2.4422	0.310577	0.597534	3.10199	1.82684	6.43658	7.12833	6.43658
4.62439	-0.85654	-1.64E-02	3.4841	4.64389	1.41666	1.55234	4.6416	8.79373	4.6416
7.95367	0.917603	1.19196	-1.53345	2.25974	3.12735	1.45703	1.60519	1.3208	1.60519
4.58768	2.06158	3.35324	5.40076	-1.58609	-0.52048	1.02859	1.18771	3.68732	1.18771
-9.90E-02	3.14771	5.04532	3.58908	-0.66153	0.517853	1.71344	3.41013	3.53314	3.41013
1.50427	1.20975	0.9758	-0.1329	2.61197	3.57849	3.25351	2.5192	2.9939	2.5192
1.57962	4.09912	1.79285	0.401672	3.91397	3.03787	2.03925	2.20303	5.65424	2.20303
2.86008	4.70715	2.71838	0.964111	2.63266	2.34268	4.0827	4.08313	6.02829	4.08313
1.74802	4.2301	0.733154	1.71851	1.81927	2.50095	4.27219	2.14691	5.65631	2.14691
3.35901	2.36652	-0.39392	-0.16318	0.923645	1.57468	4.10992	5.37885	6.82822	5.37885
3.4137	0.3414	-0.25357	2.39365	1.40564	3.22415	3.15533	5.2522	4.32678	5.2522
3.34766	1.68039	2.01709	5.10004	3.48187	1.92838	0.831451	3.86951	2.67438	3.86951
0.957642	4.42764	-0.36099	2.97449	-0.61466	3.01349	3.42444	3.49091	6.83286	3.49091
2.57278	1.94156	1.57007	3.86023	5.03381	5.00226	4.99911	-0.12421	0.510712	-0.12421
-0.51624	4.27267	0.535645	-0.24533	7.12512	2.11703	2.95123	0.483582	0.822601	0.483582
1.71558	4.56409	-0.40994	0.492157	1.4978	5.54202	5.11697	4.77563	5.32092	4.77563
0.859192	2.91809	2.2825	4.82059	4.42267	2.85867	3.20361	3.14172	2.60004	3.14172
4.13528	3.80975	2.58929	0.25827	3.39319	1.43027	-0.17188	2.94608	3.38809	2.94608
1.487	4.11603	3.19006	2.13797	3.18585	1.11627	1.45135	3.02713	2.97833	3.02713
2.89886	3.80035	3.25708	2.72293	1.72095	2.3862	1.78009	3.02521	5.76978	3.02521
4.95822	2.3349	1.79266	2.7485	2.60025	3.16895	4.35837	4.47852	4.76239	4.47852
3.35382	1.78729	3.01578	3.76105	1.03745	3.54617	2.56042	3.88486	5.20862	3.88486
3.47809	0.349884	6.89194	2.42404	0.520538	0.323242	2.95853	4.38278	4.745	4.38278
3.68726	3.58218	5.62729	4.31284	2.44107	1.86438	-0.49295	1.46921	3.09628	1.46921
-0.68115	1.59732	7.55481	-0.68851	4.67554	4.75388	1.89743	3.31439	1.78094	3.31439
1.14288	2.88486	5.77325	4.36282	4.84781	0.589661	-1.15286	0.529297	4.25073	0.529297
1.25897	0.125702	2.87463	0.198151	0.670624	3.55273	4.64142	5.72858	5.46402	5.72858
2.52118	2.836	2.17984	1.13467	2.0976	2.27121	1.30447	4.80911	5.59372	4.80911
2.51169	0.860779	0.151123	3.12918	1.72229	3.29547	2.09372	3.39511	3.66016	3.39511
1.38168	2.61584	3.82568	3.20209	3.07678	5.57019	2.93292	3.00677	3.81308	3.00677
2.9469	1.94873	2.11365	1.26056	3.79315	3.31589	2.53253	2.48752	4.35202	2.48752
4.61148	2.16257	1.43518	3.25122	2.60144	4.44647	3.24121	3.4212	7.56677	3.4212
1.72742	3.35208	2.58606	2.3035	4.11575	5.15973	3.15448	5.31961	6.7742	5.31961
3.24921	3.70279	2.98077	0.438232	2.99356	5.09286	2.15753	0.879059	3.54263	0.879059
2.51727	2.8006	3.15033	-1.65274	5.36365	3.32986	2.11395	3.4552	0.787384	3.4552
4.02008	1.32779	4.483	3.62213	3.3476	2.10428	2.88867	3.4028	3.67529	3.4028
5.16144	-1.05487	5.8656	1.93079	-0.25317	1.45667	4.81952	1.01401	7.58444	1.01401
-2.01172	4.86066	8.03796	2.52371	2.27969	3.45145	1.93134	0.755676	4.7037	0.755676
2.08105	3.90509	3.39734	-0.61795	5.68793	2.77295	3.06622	0.346802	0.144501	0.346802
3.1134	4.22879	0.957855	-1.85284	5.3194	5.1792	6.9657	3.48141	6.37469	3.48141
3.69028	1.85001	2.05099	2.76871	2.32959	1.10297	2.77103	1.04962	5.37863	1.04962
4.14908	3.64935	3.16559	0.315491	1.72159	1.81439	2.97513	2.14908	2.05948	2.14908
0.362	2.93423	0.686249	1.29916	1.94266	2.70227	4.95743	3.38794	1.76642	3.38794
0.582062	3.78528	3.25418	2.25363	1.82285	1.59518	4.46979	4.61072	3.32916	4.61072
3.44571	4.64008	1.78928	0.833191	2.83215	2.20554	4.61819	3.8165	5.4614	3.8165
1.3989	4.70709	0.331573	-0.29367	2.05096	6.07245	3.38773	3.94095	5.23984	3.94095

2.77658	0.4823	4.88452	1.20166	3.10562	2.85825	1.16153	5.48688	5.4664	5.48688
2.93198	0.742096	5.66379	1.16821	3.95209	3.80249	4.87845	0.89389	4.91458	0.89389
1.20065	1.49173	4.58301	-2.31641	3.35794	2.57117	4.24692	3.41919	8.12885	3.41919
6.8342	2.25296	2.01456	3.83081	4.47202	3.34827	1.89374	3.6351	0.332306	3.6351
6.68887	1.9205	1.74985	-1.37445	2.58054	3.61075	1.58582	-2.8634	1.76242	-2.8634
0.779999	4.27951	3.87463	-4.31674	4.0549	4.64282	5.35669	-1.60037	0.706024	-1.60037
5.50629	1.8396	2.06131	2.99658	3.9621	1.11386	5.25003	0.511108	1.14453	0.511108
2.95016	2.45975	4.047	-1.01422	3.13516	2.53027	2.23471	5.15259	0.257599	5.15259
3.68692	1.99292	4.32034	0.878082	1.84906	4.18649	2.07346	3.60934	1.25983	3.60934
2.03049	5.18448	2.52908	2.44312	2.81204	2.79138	5.271	3.54431	3.95917	3.54431
4.38022	5.96039	6.26025	1.5806	3.63925	3.65564	4.23038	2.2627	2.25742	2.2627
3.14771	3.97092	5.9567	2.68484	2.45795	3.55975	1.62952	4.52426	3.56982	4.52426
2.37469	1.52969	5.32224	1.94376	2.63834	1.54056	2.28073	4.05978	3.47189	4.05978
3.70938	2.25339	-2.28342	1.46512	2.80328	1.42197	2.63007	3.6217	4.15149	3.6217
7.27353	4.61252	-4.43579	0.149689	3.69925	1.20929	2.36765	1.38889	7.51685	1.38889
4.47607	4.72147	0.640564	0.852905	6.48291	-2.67474	2.09521	1.41089	10.9199	1.41089
1.28937	5.70618	0.477356	0.841766	5.87332	1.75293	8.77823	2.1199	3.09161	2.1199
0.344177	3.86938	0.981934	0.402771	2.78189	4.58551	7.4523	0.17804	2.49121	0.17804
1.9689	0.418182	1.55081	2.03479	4.59457	0.920563	4.86722	0.954926	6.22894	0.954926
3.44366	3.90726	1.93369	0.584595	5.11868	0.788483	3.14941	3.1467	4.07199	3.1467
3.35919	3.71124	1.45105	0.993683	2.57196	0.53067	4.41403	3.22934	3.93991	3.22934
1.14847	5.58246	2.25287	1.73172	2.67514	1.28998	4.3595	3.36743	4.57397	3.36743
2.52411	6.61517	4.69055	3.93799	2.12216	0.791748	4.05637	4.84412	8.08289	4.84412
1.55881	5.5025	0.92688	3.80334	4.13406	0.484772	0.844604	3.57324	5.69241	3.57324
1.78018	3.45279	2.12112	1.27115	2.00223	3.85947	1.67844	4.05258	6.36578	4.05258
4.12827	-0.12833	2.56638	1.34543	2.46017	4.49777	3.93466	1.8187	6.51407	1.8187
0.736328	4.88834	0.439697	4.46567	3.94235	5.31339	5.50385	3.5134	3.03314	3.5134
2.57379	2.68005	1.45874	1.49182	2.61511	0.921844	2.60513	10.9776	3.09433	10.9776
2.28857	2.64209	3.55005	9.21E-02	6.34845	2.08383	2.48352	7.2872	2.15253	7.2872
3.9881	0.853912	1.08563	1.36688	0.729309	2.21021	4.06488	9.22873	5.67371	9.22873
2.32629	3.7587	-1.63361	4.06848	0.349884	2.37738	1.01913	5.09943	6.59045	5.09943
2.71939	4.72925	2.39999	1.79767	2.88116	1.71848	2.10062	1.3031	4.09009	1.3031
3.06891	5.76642	0.627045	2.08688	2.93936	1.25909	2.15414	2.80862	6.25531	2.80862
2.61649	4.88788	1.23199	1.97992	1.70334	1.8013	2.4111	4.96683	6.13147	4.96683
1.46802	4.16418	0.396576	3.7673	2.17755	2.62274	2.03748	5.4436	6.62991	5.4436
2.40421	3.11722	4.46167	2.64374	3.92395	0.314758	3.83563	1.85226	4.86111	1.85226
3.67169	2.23801	4.26254	0.75766	5.43484	2.53766	1.37213	2.06088	4.27768	2.06088
2.69568	2.65747	0.411102	2.95712	2.3685	3.46347	0.728546	4.7955	3.79388	4.7955
3.95123	3.61713	5.38989	0.461395	2.80554	0.649261	2.84943	3.28781	7.61145	3.28781
6.1315	1.73227	3.97894	1.841	6.05081	-1.93115	2.14603	3.56189	8.84592	3.56189
1.45056	2.62869	6.81683	6.58545	4.08603	6.41803	4.39291	5.2962	6.88861	5.2962
-1.12872	3.79678	-3.15E-02	3.18686	4.0853	0.568695	3.98938	4.30023	2.87772	4.30023
2.94989	2.55811	-8.01E-02	-1.31461	3.80048	0.972168	-0.38818	3.0426	3.13995	3.0426
2.37738	2.43774	1.53369	0.948273	2.30719	1.74939	3.46323	2.90778	3.65668	2.90778
3.18552	3.77362	1.80255	1.24728	1.84586	3.18158	2.07065	2.97702	3.03891	2.97702
3.13678	3.30988	2.70309	1.76862	1.93726	1.15408	2.33719	3.93393	3.86908	3.93393
1.83591	3.2114	5.08145	2.89249	2.73328	2.59894	2.07739	2.6452	5.68161	2.6452

2.89731	2.68591	-0.9216	2.90494	2.31464	3.62296	3.10211	3.64676	5.74393	3.64676
1.89478	4.47751	1.91223	2.78595	3.66623	3.02765	4.55173	3.56497	6.2486	3.56497
3.53348	0.962799	-0.17001	1.08713	3.09128	3.58569	2.06345	5.99231	4.60406	5.99231
3.51163	3.41733	-6.21E-02	2.00977	4.96735	-0.60983	2.44864	5.0748	8.42023	5.0748
3.746	4.88635	2.37994	5.91412	2.87189	0.998657	-0.23117	4.02249	5.16223	4.02249
3.01785	1.05438	-1.73196	-0.73785	5.14523	5.15112	6.49911	8.56128	8.35602	8.56128
1.34637	3.7915	3.01913	2.14578	2.38348	5.38672	1.4848	4.09793	7.41492	4.09793
3.3627	2.79358	-0.50479	-0.2915	1.56348	0.841278	3.83444	2.0802	4.97043	2.0802
2.75308	4.43896	1.71548	0.133484	1.28818	1.94379	2.13431	2.8613	5.013	2.8613
3.49991	3.40784	0.146362	1.81985	2.70306	2.19879	2.77075	3.86374	6.56732	3.86374
1.70236	7.81787	-0.15863	3.19913	0.903351	3.2305	3.0134	5.16153	5.96878	5.16153
1.80881	4.31729	1.50015	4.96121	1.87018	3.72064	3.98038	3.19681	2.37289	3.19681
1.7178	3.43262	3.20007	1.91754	1.92755	-0.93924	3.38083	-0.94446	6.16232	-0.94446
1.79858	3.14191	1.28394	0.726746	3.34583	4.21265	2.56955	2.6012	4.53018	2.6012
-0.15933	2.31009	2.47369	2.71973	1.44778	5.94827	3.37506	4.12421	8.09039	4.12421
-1.58847	0.120026	0.954285	5.04309	2.08765	4.31937	3.63782	3.20569	4.50525	3.20569
4.8927	1.75577	3.78714	1.91412	-3.85379	4.84967	5.97324	-1.47031	2.49323	-1.47031
1.47906	0.425598	2.64465	1.88287	0.527222	1.17584	5.38062	5.78958	2.9082	5.78958
3.69278	6.93948	4.94675	3.83347	6.27411	1.06851	7.19269	5.31763	5.24261	5.31763
3.70779	2.03079	3.069	2.7818	2.68167	-1.26492	3.13281	2.9093	3.18164	2.9093
1.86899	4.29605	4.07037	2.29208	2.98898	1.98837	-2.58E-02	2.9527	5.81128	2.9527
-5.98E-02	3.31403	2.65805	3.69446	3.25726	3.43817	3.71326	1.48624	6.01624	1.48624
1.58228	5.23288	1.58847	5.34024	3.18076	1.49399	4.55731	3.31412	5.02338	3.31412
1.09042	5.56189	3.01108	5.0033	3.99057	1.94162	2.74478	2.7984	6.98401	2.7984
3.21262	4.72351	0.93277	2.49603	5.26135	2.02945	2.23621	2.86954	8.14612	2.86954
1.92239	4.06729	-2.39355	3.07065	2.11005	4.62076	3.23584	4.37579	5.96439	4.37579
2.95657	3.45587	3.37778	0.58374	4.36118	4.49899	5.74246	1.33209	3.62039	1.33209
2.57785	2.92725	2.44928	0.643982	4.08395	4.53677	3.31143	3.59711	7.31293	3.59711
8.22659	0.532959	-1.38184	1.20023	5.04251	3.05685	-0.37549	4.3732	5.06311	4.3732
0.246277	5.27609	-0.87955	2.68857	-0.87567	6.39954	1.91882	2.20499	1.59262	2.20499
2.16599	2.43689	-1.16345	-1.46265	2.22519	4.82092	4.43228	4.83182	9.0509	4.83182
4.76199	2.52979	1.37881	2.44528	1.79547	4.64957	2.62442	2.13852	5.92905	2.13852
1.66998	3.36325	0.170471	2.07999	4.15039	2.47739	4.09341	5.11078	2.34659	5.11078
2.84201	2.10864	1.69415	1.11996	2.56516	2.99939	5.40E-02	0.438141	8.59543	0.438141
2.90549	5.13138	1.66629	1.03482	1.03455	3.59998	1.3519	2.5043	5.24777	2.5043
2.10321	5.21439	5.81027	1.6171	2.36975	3.00052	3.04108	5.6485	4.54599	5.6485
3.94461	3.56592	1.43649	0.763824	3.93994	3.06375	5.48373	1.63434	3.76303	1.63434
2.76248	2.82089	2.54364	8.80E-02	2.39392	3.14627	2.39075	4.50388	6.0574	4.50388
0.703156	1.89719	3.9538	0.480225	3.56857	7.64859	5.03836	4.7384	5.39987	4.7384
-1.72806	4.18964	4.70129	1.42969	1.21835	4.91138	1.32962	-0.2077	9.71393	-0.2077
2.60608	3.37778	0.509644	0.745209	3.3721	2.73987	-6.16E-03	1.62619	6.62393	1.62619
4.78348	2.57718	5.17874	-0.27835	2.52304	1.30753	2.50104	4.91678	2.50922	4.91678
1.7612	4.7211	6.00723	3.87396	-0.96249	4.51581	6.1474	1.19434	4.755	1.19434
2.5188	2.9342	1.0061	3.99789	1.39679	3.45578	1.70062	2.50452	5.73245	2.50452
4.78317	3.55756	2.34949	3.02057	2.98376	2.25717	0.674316	4.25439	1.52078	4.25439
3.8768	4.35254	2.00464	1.64667	1.88165	2.66949	3.08084	4.83414	4.81802	4.83414
3.89499	3.57907	0.63147	2.28262	2.82886	2.04727	1.84381	3.00763	4.14319	3.00763

3.26553	2.39789	1.79565	4.62122	3.95377	2.68124	3.01987	0.631592	3.9523	0.631592
3.3295	2.60559	-0.2319	4.68484	1.50656	5.29245	1.28732	3.70554	5.76062	3.70554
2.57727	1.52481	4.35583	4.41345	2.43564	5.56946	3.03064	4.9187	4.20648	4.9187
1.45135	6.55328	3.3024	2.39532	2.8555	4.28827	1.39026	1.62808	6.80148	1.62808
3.74353	6.53082	4.5412	5.52469	-5.76E-02	0.544464	3.08472	4.97119	7.42194	4.97119
5.6066	0.913757	5.60455	4.59531	5.5806	0.275543	2.11023	3.28149	3.67352	3.28149
4.48706	1.05258	2.88965	0.57605	3.69412	1.43143	1.91711	0.762604	5.67252	0.762604
0.5784	3.0224	1.72354	4.92657	2.05258	1.94791	2.36288	4.77744	5.29941	4.77744
1.80579	2.98621	0.752808	1.41071	4.28897	0.474365	5.91022	3.48102	2.73904	3.48102
4.59937	1.70035	0.884888	0.530182	4.51959	2.12628	1.45963	2.53519	2.96188	2.53519
4.38	4.33313	0.41684	2.17957	4.00546	1.57529	2.44025	2.63474	3.73563	2.63474
4.66849	3.26038	2.32947	2.05582	4.01035	2.54239	5.1409	3.04822	4.26758	3.04822
4.30933	3.33139	1.39105	5.10931	3.54047	2.82434	3.12979	3.55231	6.5864	3.55231
2.60339	3.8472	3.4809	4.97714	2.96225	2.16025	2.86163	1.37695	6.33972	1.37695
3.20938	2.54791	2.35312	1.17706	5.58502	1.13876	4.23785	4.19629	5.82858	4.19629
2.44257	3.90839	1.61047	4.04584	1.53149	9.39E-02	1.07916	2.63849	6.66119	2.63849
3.35184	5.65744	5.09409	2.2851	2.05533	1.07129	0.654144	5.2157	9.27975	5.2157
1.56519	7.07495	7.69675	5.94501	2.2265	2.10736	2.54443	4.06409	8.73511	4.06409
8.78937	6.09229	4.90424	-0.29575	3.93423	4.27554	0.514832	6.7431	8.55222	6.7431
5.27289	4.08209	-1.26187	3.15848	4.11288	-2.26578	5.802	3.99591	5.95422	3.99591
3.00708	3.05038	1.30231	0.266479	1.91489	0.703278	4.91754	3.53281	7.16513	3.53281
1.56796	2.15015	1.58279	2.87369	2.93307	3.51788	3.06323	3.77008	6.39719	3.77008
2.2283	2.56354	2.15897	2.94846	3.60178	1.83929	3.42065	2.01233	6.55042	2.01233
4.07278	3.58228	2.22467	1.79404	3.83435	2.42877	6.54471	3.06772	6.14236	3.06772
2.39124	1.89468	2.63156	2.68689	4.44858	4.25714	4.72708	1.39502	7.18729	1.39502
4.1091	1.63971	1.79327	3.00183	5.36884	6.36896	2.55731	2.45206	7.32431	2.45206
3.41309	3.16681	1.09293	4.17316	5.24423	3.84006	2.57123	3.38229	3.53918	3.38229
2.35977	3.34708	1.5567	0.707733	3.08047	0.354492	-0.17923	5.4425	6.64838	5.4425
0.698456	4.90894	3.58289	3.05267	3.13513	4.22629	2.39114	6.6774	7.28793	6.6774
0.518799	8.98306	3.07495	3.03162	1.38409	1.31705	-0.55777	3.28027	10.6361	3.28027
6.96738	8.0679	6.87323	2.55377	3.58682	3.01852	1.91531	3.9559	6.74643	3.9559
3.4892	-0.29172	5.63553	2.70798	3.29968	7.02872	4.9162	9.08563	6.5723	9.08563
2.73349	2.24518	3.6561	1.16489	0.426575	2.42566	0.36084	6.04782	5.77515	6.04782
3.26288	3.64365	1.03818	2.15659	1.69028	0.760071	1.57141	-0.65051	2.49658	-0.65051
3.60962	4.41202	2.22095	2.17288	2.75647	4.1554	4.53674	0.491943	5.06833	0.491943
3.29016	4.11536	1.93268	2.36203	3.53244	3.42099	4.23639	3.27133	4.59457	3.27133
3.89322	4.59808	2.93808	5.7749	3.79385	2.13983	5.18558	1.85651	4.6293	1.85651
3.30161	4.20349	1.47269	8.61014	3.80176	5.38025	3.17273	4.91074	9.25662	4.91074
1.05707	2.7381	3.43845	1.73965	3.00333	2.24405	4.29074	4.43228	7.60458	4.43228
2.45306	3.24368	2.7872	6.65573	4.24698	6.29327	1.45755	2.8584	5.50549	2.8584
5.79913	2.63034	2.33749	0.793793	2.14563	5.31747	3.73853	0.988495	9.45673	0.988495
6.44308	6.32816	5.39926	4.2294	2.62399	0.516541	7.46094	2.05518	10.022	2.05518
2.70306	5.15338	0.960541	-0.38605	5.43274	-3.81528	4.53482	4.37778	5.03183	4.37778
0.451202	4.633	-0.35556	4.10086	-0.70081	1.1051	4.0134	2.45624	6.3577	2.45624
3.68719	3.87009	-1.2348	2.30231	1.97198	1.91028	-0.21439	3.9415	5.35013	3.9415
5.42087	2.15234	0.918701	1.78189	1.30817	2.06329	2.16602	3.2767	4.6308	3.2767
2.90579	3.23914	1.42084	1.92987	2.86456	1.81177	0.486847	0.96402	3.89233	0.96402

4.62729	4.91055	2.72089	3.22891	3.07684	2.01028	4.50739	3.6701	6.30676	3.6701
2.93771	3.46017	2.89395	3.95731	3.41516	0.996033	5.31738	6.61981	5.46051	6.61981
2.78122	2.70721	2.90088	2.05753	6.39706	0.211548	5.57452	2.82196	6.51624	2.82196
1.79028	3.8801	2.64603	3.42435	0.403229	4.35165	5.47916	4.84378	5.44568	4.84378
3.31107	3.56927	4.78238	1.18622	2.33917	4.81369	2.88486	1.0412	2.30347	1.0412
5.54233	3.62274	-0.2833	0.444275	2.57483	2.58667	-9.03E-02	4.95529	-1.09937	4.95529
2.88388	6.80386	7.58224	-1.72989	1.45551	1.34674	2.86932	4.93549	5.98163	4.93549
3.27466	5.6192	4.35706	0.73877	3.50192	1.81845	7.62631	1.26999	2.6752	1.26999
2.3923	3.513	1.38135	0.814453	1.9003	2.79202	6.13989	2.11124	-2.0051	2.11124
3.0592	3.3967	-0.7641	1.44168	4.25568	1.89197	3.54944	0.215912	2.07285	0.215912
0.652985	3.50226	2.84888	1.54257	2.29977	2.54648	2.09253	1.73758	4.89899	1.73758
4.3031	5.75253	0.84845	3.84027	2.03168	2.6171	3.07855	2.66693	5.59723	2.66693
2.76956	4.49435	2.92758	1.44693	3.70636	2.29349	0.629486	1.77911	5.50867	1.77911
2.81934	5.88358	2.70288	2.0795	3.26996	2.04773	3.70309	5.2959	6.1795	5.2959
2.48849	6.48431	0.569397	-0.27396	4.23364	0.177277	2.99182	2.40414	6.26373	2.40414
3.6171	4.14859	-0.53046	4.02225	4.37442	1.51367	1.95154	5.12909	7.9053	5.12909
1.65088	4.1998	-0.35233	2.83963	1.50339	4.32889	3.79868	4.86481	5.54617	4.86481
4.79755	7.04492	1.57089	0.584167	4.69455	2.29929	5.18594	0.504211	8.15024	0.504211
7.17569	6.11426	4.86694	2.38992	4.71771	1.52136	3.96661	4.39877	5.30292	4.39877
4.36407	3.78519	2.67175	2.43735	2.90784	-1.12198	0.967041	6.32819	3.99631	6.32819
3.84998	5.29749	-0.87415	0.663269	3.0069	1.34912	0.264679	7.39523	5.54871	7.39523
2.16568	2.7692	-2.5347	3.31369	2.7175	-2.61023	3.00922	5.3511	1.07684	5.3511
4.65198	3.26215	0.313873	1.23477	2.91138	-0.28333	0.603119	2.83078	7.2374	2.83078
2.6933	3.18103	2.35254	1.65686	2.46225	0.209595	3.26474	3.76904	6.34933	3.76904
3.82336	4.05096	1.17468	1.82474	3.20706	0.515076	1.70178	4.43793	7.53409	4.43793
3.78574	2.3183	3.64227	1.7009	1.96057	0.831726	1.28506	2.9689	7.20251	2.9689
6.28201	2.94281	2.28119	3.40634	2.92276	3.47897	4.60132	3.72525	6.78833	3.72525
3.12079	0.546112	4.14444	1.02335	3.04083	2.67184	1.41595	4.55618	3.80099	4.55618
3.60498	4.88287	2.0553	2.34204	3.1926	0.920685	3.49606	4.55521	3.90637	4.55521
5.14963	3.06494	3.763	-1.39911	2.44016	2.19116	4.83234	2.77011	7.52463	2.77011
6.2572	6.81445	3.45834	3.56232	2.4581	1.49954	4.84644	6.0257	6.93661	6.0257
-2.96722	4.4783	4.69055	1.48026	-1.28976	-0.60095	7.48822	5.9418	0.821716	5.9418
0.851501	0.937988	1.38474	-3.32373	2.5788	0.22052	8.47388	1.81003	3.7251	1.81003
3.4082	2.43579	2.65991	0.550598	0.540588	-2.00494	3.35074	3.25412	1.50085	3.25412
2.29398	3.55765	3.0701	1.89279	1.79907	1.61899	3.34921	4.05649	6.6456	4.05649
3.1748	3.46713	1.26785	1.32968	0.618469	1.63727	5.68213	1.69043	7.25992	1.69043
5.11868	3.76926	3.00317	2.62701	2.15067	0.999481	6.1192	2.40033	8.42917	2.40033
3.41241	4.31158	6.77646	2.81491	4.29178	1.68933	3.91147	3.64691	7.25449	3.64691
3.12991	1.59311	3.68808	1.72052	4.49435	1.76306	4.46643	7.30484	8.57123	7.30484
3.92337	0.927612	4.01974	1.45905	4.77234	6.03397	2.37885	5.22018	10.2366	5.22018
4.23288	3.3584	2.0979	3.59152	1.3266	5.26999	4.71E-02	1.61148	7.73697	1.61148
6.51315	3.20554	2.92969	1.43787	4.28165	0.879364	-1.07968	4.14981	9.52045	4.14981
6.95657	2.50626	5.48965	5.12323	3.19919	1.11636	-0.66058	4.7652	5.33191	4.7652
5.14127	5.0661	0.473328	0.608948	4.41873	-1.95926	3.98444	6.936	5.72992	6.936
2.6911	5.7034	3.65665	0.674255	2.27798	-0.10761	6.73129	5.43274	8.01691	5.43274
1.56339	3.65439	3.16122	2.12158	3.23798	0.885559	3.85904	3.83261	2.04565	3.83261
2.00589	4.17035	2.87299	1.46198	4.89737	1.00146	2.32523	3.6871	1.56808	3.6871

1.93372	2.82645	3.25424	0.82666	3.01587	2.04327	5.16364	1.23264	5.02792	1.23264
2.09058	1.58685	3.14337	0.194336	3.26114	1.27597	2.87338	2.71872	4.13446	2.71872
2.78003	5.59958	4.24786	3.12772	4.64557	2.53824	2.18118	3.83099	7.40189	3.83099
3.8934	4.10532	2.13818	3.25214	4.21515	3.23657	5.21713	3.09296	6.75034	3.09296
4.33557	3.72769	3.98672	2.73355	3.50064	3.86536	3.60754	2.96408	6.0267	2.96408
3.87158	1.94827	3.4964	1.58722	0.940674	4.22568	3.58246	4.8511	6.39706	4.8511
6.07504	6.10434	-1.0426	2.23059	3.51694	3.38406	2.70663	3.40659	6.70535	3.40659
3.83188	5.22247	-0.12424	-6.81E-02	3.18399	3.96866	3.85571	2.14279	4.84113	2.14279
4.51926	1.91309	3.04913	0.30896	2.55225	4.05945	7.40842	0.703796	3.4884	0.703796
3.7207	6.2063	3.02774	2.66376	5.24161	3.42041	1.83838	0.634613	7.72562	0.634613
3.95718	1.48309	4.74622	4.65808	4.70569	3.43396	4.74384	3.19913	6.91306	3.19913
2.33478	2.93137	2.04309	0.244781	4.65277	-1.27612	2.63513	1.21368	5.9339	1.21368
3.40179	2.77704	2.26266	2.19907	3.23346	0.708191	4.49124	2.40244	7.73291	2.40244
0.851685	4.29276	2.73657	3.87314	3.03305	1.84207	3.5563	3.48593	5.92249	3.48593
3.35211	6.54507	2.71066	2.89511	4.21097	1.83722	3.58569	4.23752	7.95529	4.23752
2.40262	4.62289	4.03979	2.86722	3.04666	0.887451	4.00351	2.13535	6.09723	2.13535
2.10498	2.10101	3.05704	1.15106	3.29004	3.90576	1.06406	4.32217	6.8063	4.32217
3.69485	4.92807	0.711487	4.74802	2.797	4.76337	0.316376	3.7081	6.27698	3.7081
5.42093	4.24173	2.60788	5.65359	7.36374	3.69458	3.13754	4.82129	4.07034	4.82129
5.7999	2.05185	7.01755	4.53912	5.08951	5.53384	2.36374	2.55228	4.14493	2.55228
2.99106	5.2724	4.73053	5.63647	3.17365	2.90393	1.87411	6.80209	7.57123	6.80209
3.35669	6.40179	-0.69675	5.16885	2.0899	5.7576	-1.80692	3.91751	1.75211	3.91751
1.58228	1.9151	3.93671	2.84601	2.86578	4.19797	3.69952	5.27283	5.40555	5.27283
1.25809	2.02875	3.18509	2.42297	3.98279	2.73987	3.24332	6.8132	1.71329	6.8132
3.0322	2.83923	2.41446	4.20038	3.74466	2.85129	3.94824	2.53995	7.78421	2.53995
3.68097	4.62027	6.09167	2.64001	3.00635	1.27188	3.20551	4.31641	7.44138	4.31641
2.63272	2.79889	5.52396	4.61099	3.84436	1.36713	4.30267	6.44641	4.03351	6.44641
1.81821	3.21051	4.1189	3.51303	5.51166	2.71005	4.69113	1.72974	6.37811	1.72974
2.51959	1.7381	1.56213	2.24686	2.29892	4.95297	9.16815	1.82529	6.37369	1.82529
0.20166	0.826294	1.49448	5.28082	1.47827	4.88898	3.19595	2.73648	5.43896	2.73648
5.17084	-0.71408	1.517	2.61478	2.43613	5.26807	3.68713	-0.9726	2.16956	-0.9726
3.44769	4.96686	3.79065	3.18802	1.138	-0.23883	1.31311	2.77847	7.8175	2.77847
4.62445	7.09589	0.591156	2.85266	8.49164	5.78125	2.27502	5.79358	6.23172	5.79358
3.79037	4.56671	1.94275	2.26376	5.68869	2.77521	0.192078	6.16724	6.39221	6.16724
3.41919	3.73889	-0.36899	3.48871	5.7876	3.86166	-0.64047	4.97861	4.82095	4.97861
3.19699	4.80334	2.5755	1.00137	4.01227	0.860077	2.75021	1.14478	4.25049	1.14478
2.4386	4.52844	2.61456	1.50037	3.33676	2.38828	4.83466	4.86734	6.92603	4.86734
2.06998	4.69305	1.81317	3.29633	3.39444	2.81058	3.7822	3.30771	7.59537	3.30771
2.89151	3.7767	3.36478	2.27951	1.99048	2.22482	4.24207	4.34442	8.54129	4.34442
2.19949	3.66901	2.01077	1.77023	3.61316	1.58298	3.49323	4.27536	6.01993	4.27536
2.12839	1.27618	3.38782	1.47464	2.97873	5.17825	2.54605	0.485291	4.51138	0.485291
3.46188	3.77859	2.4184	3.80673	0.356384	4.36548	2.25336	5.62109	2.98608	5.62109
3.09885	5.60403	1.06848	1.77719	-1.43826	-1.20401	4.10983	0.348785	9.86914	0.348785
-1.0101	7.02988	3.58527	-2.65469	-1.625	3.98575	2.52853	-1.173	11.2796	-1.173
2.44766	5.18079	1.12573	0.591248	-3.10428	6.02524	4.07962	6.6853	3.66492	6.6853
4.17529	4.55081	7.21014	3.67276	4.31339	5.91541	6.4028	3.22934	4.22	3.22934
0.967377	2.7088	3.88541	4.61279	5.40457	3.90387	2.01962	2.6683	3.83685	2.6683

0.862579	3.01505	2.91357	3.4975	3.35617	1.95578	3.79391	2.29828	5.08609	2.29828
2.9375	2.54843	3.08694	2.35156	4.66367	4.84418	5.28583	4.14813	4.13782	4.14813
3.00989	1.99835	3.86508	2.42514	2.66565	3.47488	6.28729	3.74463	5.01508	3.74463
0.923737	2.7818	4.28967	3.17072	1.41595	3.37955	4.62988	4.5141	6.6153	4.5141
2.37781	2.0087	6.38959	0.248932	4.10245	2.10095	2.44772	1.07864	7.44843	1.07864
3.67349	3.31158	1.67313	2.77716	2.68542	4.97406	2.15475	1.99179	5.9313	1.99179
2.48068	1.77719	-0.42011	1.46103	2.49969	4.63287	-0.42584	2.85748	9.46799	2.85748
5.50064	3.15094	0.535583	-2.75073	4.00775	3.87918	0.766541	4.51669	6.91934	4.51669
3.35809	0.88327	4.06024	-0.83627	3.866	1.59436	3.54752	3.3013	9.27292	3.3013
3.33597	0.946503	5.97104	3.90826	-2.07187	5.01654	1.34564	0.649384	6.27811	0.649384
4.1568	-0.96701	5.15195	-1.73962	2.49631	2.4198	6.06619	0.183716	3.19281	0.183716
5.42398	2.3436	3.6228	0.330505	4.12637	3.10565	2.56003	1.7366	2.99573	1.7366
2.37097	1.54257	0.884186	1.83228	3.59018	1.48007	1.58652	2.21509	2.60248	2.21509
2.9949	2.06705	7.41E-02	1.18747	1.96237	4.76468	2.12103	1.80362	5.90201	1.80362
2.03589	2.71686	3.13257	1.22464	3.27716	3.35818	3.06378	1.23972	9.45877	1.23972
3.99792	2.5849	3.50726	1.3287	2.42197	2.79254	2.39307	2.21942	6.7027	2.21942
2.2189	3.72382	3.59277	3.19324	3.46594	3.59387	2.46481	5.00806	5.16602	5.00806
2.96298	3.10739	4.27942	2.55014	3.66025	2.90646	2.61325	5.3786	2.94598	5.3786
2.36575	2.22849	5.86E-02	3.08414	-1.53E-02	3.03549	3.69275	4.87491	5.57779	4.87491
1.21393	3.44034	1.57889	-0.69971	4.76385	-3.71E-02	3.49124	5.57199	7.82724	5.57199
-0.37363	5.78915	0.958069	4.78812	5.52679	-0.41486	4.87881	3.38309	11.0289	3.38309
4.20355	3.7251	6.21664	4.72165	5.92923	0.342224	6.42532	5.323	9.74863	5.323
5.88089	2.31891	2.30695	7.60266	6.3035	2.61111	0.499695	3.72363	5.62921	3.72363
0.924286	3.9982	2.96011	3.14978	3.85928	-0.83243	1.84943	1.9772	1.37643	1.9772
1.36157	4.54996	1.36218	4.53809	3.28238	3.11987	1.92621	2.6188	5.66748	2.6188
3.08679	3.61963	0.669342	3.90546	4.46887	2.81357	4.35623	3.90143	7.81992	3.90143
2.78119	2.98337	1.91217	4.07553	3.22656	2.15228	2.9126	4.30063	4.86227	4.30063
3.19623	5.50189	3.05838	5.67902	2.71417	2.66043	4.14679	4.77942	6.2438	4.77942
3.6088	3.6748	3.38669	4.27054	2.47476	5.60068	3.83643	2.27884	7.18631	2.27884
2.75397	2.47849	5.39792	3.61597	3.15094	-1.18704	0.229248	0.825684	8.1445	0.825684
5.52176	2.96268	4.01279	5.23834	1.86157	0.421478	-0.76364	3.2327	5.23868	3.2327
5.76364	3.19214	2.26309	2.59198	6.04575	5.22018	3.69562	4.91101	5.71945	4.91101
3.34189	7.90875	2.42416	-2.57147	3.1998	6.71054	1.13913	4.48648	7.77332	4.48648
4.12787	5.57669	1.93515	5.47705	4.32285	6.11353	5.65573	2.3739	2.7608	2.3739
4.49728	6.1301	-0.41147	2.53046	3.40869	1.6319	4.38708	1.51892	5.99652	1.51892
4.43039	1.35138	1.4592	2.43781	3.4946	3.72116	5.74124	1.6835	4.08646	1.6835
2.97858	3.38446	2.60419	0.737793	3.68088	-3.68E-02	4.95251	2.7218	5.17889	2.7218
3.9924	2.55695	4.16714	2.55856	2.93976	3.11978	4.08243	2.87552	2.85873	2.87552
3.10046	4.50485	4.92429	1.60922	2.25165	2.29358	3.66229	4.49933	9.82828	4.49933
3.10321	5.73578	6.11465	1.80692	3.56638	3.45544	3.89438	4.83221	9.15012	4.83221
4.24921	2.92639	7.46829	3.86053	3.01086	1.35425	3.47281	1.83505	5.54224	1.83505
3.8064	1.77841	4.63382	4.24545	4.44205	2.42435	0.38623	0.876984	7.51099	0.876984
4.74738	2.05258	5.71228	1.56802	4.22699	5.88687	5.85187	1.75699	4.42047	1.75699
5.18076	4.82242	3.45889	3.02927	5.24463	3.85938	1.46173	1.8364	5.47974	1.8364
7.10968	6.37906	3.01596	4.58771	4.13641	1.53827	-0.15369	4.405	6.1394	4.405
5.26956	9.63019	5.21225	6.51825	-2.13675	0.426636	6.40683	4.88028	2.28741	4.88028
4.56119	2.73248	1.16275	-2.64062	1.341	3.62701	5.70938	1.52563	7.35791	1.52563

2.8645	3.16379	1.52902	1.99649	0.432678	-1.13672	1.11002	0.98111	4.36804	0.98111
2.69269	2.61975	3.14069	2.711	2.18799	1.25919	3.3858	2.76718	3.61908	2.76718
3.37741	3.67453	3.19016	-3.04E-02	3.91287	2.59659	5.41364	2.07452	6.82751	2.07452
4.19656	3.73566	4.96097	1.27222	1.89325	1.73779	3.5968	2.97293	5.98557	2.97293
6.06213	4.58878	5.28067	3.57349	3.52988	0.61322	2.27319	1.97131	7.181	1.97131
4.4165	3.67279	4.57959	1.91293	3.92514	1.62308	3.69583	4.36856	5.18283	4.36856
3.0799	4.32559	4.08124	-0.48734	4.75534	1.09546	1.47644	-0.3157	8.34729	-0.3157
1.34668	3.35138	3.69189	-0.23276	2.49429	3.22028	5.80267	3.09088	7.13647	3.09088
2.93283	5.54584	2.87289	3.03467	3.51654	3.73666	4.04144	4.53241	8.06473	4.53241
4.20117	8.20935	7.02625	3.5849	-2.24249	1.36325	3.48132	3.63309	6.14923	3.63309
3.06915	4.50659	1.28143	4.42615	3.19565	3.08725	7.48734	0.435486	4.00522	0.435486
3.2673	5.06491	4.15674	0.412781	1.3154	3.98792	5.6185	3.36722	4.4418	3.36722
3.40979	5.82379	1.87512	4.72998	3.16949	1.25656	4.81271	5.1521	1.44736	5.1521
2.76907	2.90015	0.970886	3.33328	3.19397	1.67709	1.77393	2.70148	2.87418	2.70148
2.87991	3.33444	1.74515	4.36548	2.35056	3.34888	4.02664	4.57764	2.79733	4.57764
4.13419	5.01965	3.12988	2.44293	3.93814	1.61349	1.8168	2.31781	6.10086	2.31781
3.18741	3.49667	2.92496	2.71509	1.58896	1.40622	2.53787	2.48199	6.4321	2.48199
3.22781	3.95651	2.82849	4.42334	5.48935	3.30185	5.78601	3.90536	7.90741	3.90536
3.41238	2.03699	1.08932	2.27856	4.07242	0.564972	4.89694	6.30618	5.78571	6.30618
2.79428	2.48868	-0.81641	2.96683	5.5965	3.38449	3.35767	4.33881	2.80469	4.33881
4.05115	6.00363	-0.2822	4.37869	3.11313	2.52368	2.77893	2.6239	7.43384	2.6239
4.01199	0.37616	1.60696	3.2453	1.65549	1.83115	2.71512	6.3678	9.71832	6.3678
3.40958	3.10168	-1.18015	-2.56635	1.49133	9.94345	3.39603	4.23679	3.73993	4.23679
3.18149	3.1687	1.25653	3.25507	0.80661	4.63651	7.80807	6.38852	5.77182	6.38852
2.2157	3.91498	0.380524	3.59369	-6.16E-02	7.72687	3.67111	3.00241	1.40765	3.00241
2.36389	3.64816	1.8147	3.11398	4.14597	1.93219	2.0415	1.71878	6.27139	1.71878
3.2204	2.70013	1.97284	4.36346	3.67935	3.97168	4.17575	5.67154	5.23541	5.67154
2.13239	4.80606	-0.66303	3.03824	2.60986	2.27597	4.2951	1.88913	4.81668	1.88913
3.19183	3.94049	0.815155	1.79349	2.30176	3.45563	3.10257	3.5025	3.95789	3.5025
2.48611	2.71161	2.4791	2.08273	3.92084	2.57706	3.68002	1.03064	7.19794	1.03064
3.49728	2.83801	1.73422	1.33075	3.44073	5.41946	5.32443	2.21228	9.2915	2.21228
5.26157	1.79837	3.70709	6.50122	3.25098	4.96957	3.84357	3.23209	6.95447	3.23209
6.96994	2.50293	3.90768	8.83517	0.43924	5.16467	2.58942	-0.93622	9.16263	-0.93622
4.72568	5.42395	3.27875	1.99091	4.55341	4.51755	5.23093	6.94888	6.19833	6.94888
4.48816	-0.90982	3.53885	0.950562	7.06345	3.71085	7.27512	3.58939	5.91263	3.58939
5.86588	0.189484	3.04245	1.63336	4.48898	6.06781	6.09	2.23651	2.24051	2.23651
4.47928	4.64951	2.01022	3.15338	0.993774	5.49658	4.21133	4.05811	4.66653	4.05811
2.91788	2.31406	2.46378	1.66959	0.103088	4.42798	6.11331	2.40298	5.40179	2.40298
2.1716	4.00034	1.90234	1.14447	3.15927	3.02759	4.06824	0.303131	4.84393	0.303131
2.30707	5.69516	3.22577	3.83401	2.14127	2.38699	4.95309	2.73792	6.44858	2.73792
1.42612	5.1958	4.66678	3.12909	3.05026	3.57132	4.96948	4.25659	3.59702	4.25659
3.30511	4.63651	1.26309	1.35693	5.04895	2.24646	2.38681	-0.41306	7.27081	-0.41306
4.17929	2.36121	4.06512	2.78125	1.15753	3.43414	2.86673	2.0376	7.94769	2.0376
0.474762	1.71249	1.50488	7.98502	2.793	6.46799	5.15936	2.2326	7.63937	2.2326
3.12643	3.99915	0.253998	3.63647	5.33795	3.73596	2.78262	1.72321	8.00735	1.72321
5.96909	9.95645	0.893463	6.85172	1.69211	6.44736	2.77203	5.3992	6.23843	5.3992
6.61087	6.94919	2.78415	3.88165	2.43472	4.76843	2.91864	4.8179	5.20752	4.8179

6.073	6.92551	1.77563	2.69977	2.79709	5.06482	1.83047	3.26251	3.73422	3.26251
2.0838	4.2236	6.01242	1.2363	2.55948	4.56076	-3.55927	4.61432	5.96393	4.61432
2.71356	5.98297	1.49109	1.88318	1.47449	0.557068	2.9454	4.39609	0.976074	4.39609
2.25781	4.91342	2.63144	2.39948	2.59778	1.33749	4.28793	4.33453	3.79413	4.33453
2.63849	5.10126	4.19919	4.48734	2.11905	1.46487	3.33209	3.26581	7.94226	3.26581
2.80313	7.03629	6.14487	3.12961	1.34076	1.62222	2.29187	5.6824	5.77261	5.6824
5.4859	2.92081	4.32028	3.93533	2.19806	4.21268	3.97702	3.62634	6.55304	3.62634
2.89108	2.04279	7.51822	2.11526	3.06613	5.10037	4.97153	2.9408	7.65018	2.9408
4.22266	4.74707	0.6922	1.94754	2.00208	5.49869	0.568756	3.2778	7.02908	3.2778
5.52713	4.98264	0.413788	1.01559	6.55124	4.92139	3.36124	1.93341	10.0789	1.93341
5.6658	5.78796	1.14676	1.8273	5.72311	3.43115	-2.30377	6.08438	8.99323	6.08438
3.84286	-1.2334	2.15234	0.672974	4.10175	1.25183	-7.10788	3.66949	3.4765	3.66949
2.97079	1.64691	1.25815	2.34586	2.42468	6.89441	0.672577	4.41724	7.94922	4.41724
2.5708	5.0062	2.08231	1.93509	3.29459	3.71307	-0.47089	2.04932	4.97815	2.04932
2.72818	4.31577	0.953796	1.07727	3.34607	2.87158	5.14581	2.151	2.84729	2.151
2.77701	2.20303	1.89056	2.28476	2.55707	3.10547	4.17703	4.89774	6.80542	4.89774
2.51627	1.98257	3.35657	1.08524	0.308563	2.42059	3.85831	6.62262	6.39337	6.62262
2.69882	2.18469	3.64688	1.94189	2.47415	3.30304	4.04919	3.2341	6.2804	3.2341
2.5433	3.2597	1.17108	3.92603	4.71216	2.89557	3.87662	4.26886	7.76721	4.26886
2.39828	2.422	4.43774	-0.23013	3.42752	4.32324	7.13104	3.86578	7.73318	3.86578
3.30078	2.61758	4.91199	1.17743	2.1933	6.53467	3.80875	4.47641	8.46457	4.47641
4.63705	-1.23236	3.53729	3.75418	0.910645	6.14636	3.67014	2.1077	8.74945	2.1077
6.34818	-1.82904	5.73337	4.22821	1.93869	2.01E-02	8.00113	4.81738	8.2774	4.81738
7.01907	-0.27222	5.74835	7.18436	1.68164	0.112946	7.86774	1.03668	7.91412	1.03668
4.26318	3.77271	2.53586	6.89798	1.565	3.0719	5.2204	3.33871	0.7388	3.33871
5.37369	4.35309	2.31912	3.20499	3.48328	4.15067	4.45804	4.0787	3.78943	4.0787
2.85938	2.75095	2.19498	1.17358	4.71127	0.728088	2.77451	3.14938	5.3035	3.14938
0.4104	3.11853	2.39285	0.458069	2.04926	5.07388	3.10843	3.68332	4.86053	3.68332
3.10959	2.66467	3.90338	2.85953	2.67715	4.66498	4.13168	3.66632	6.56757	3.66632
1.47183	2.69958	3.39368	3.70901	5.28195	3.64282	3.22879	2.35159	5.95761	2.35159
2.54932	2.2095	4.78339	4.99472	2.51175	3.44318	2.64291	2.83835	6.02884	2.83835
3.25079	3.03171	4.71744	0.262451	2.82184	9.11E-02	4.30185	3.87018	4.55249	3.87018
4.80627	3.97308	4.1749	3.98624	4.00269	4.15887	3.73035	2.09021	6.72717	2.09021
0.838135	5.82544	3.6355	6.44839	1.43225	4.60287	5.70593	2.08191	10.2911	2.08191
4.9285	4.74307	1.85477	3.63712	5.06271	8.50937	5.22543	7.41058	8.39481	7.41058
6.12247	1.07639	4.60483	3.64325	5.54153	3.31613	7.96793	6.2305	7.86032	6.2305
4.20187	4.04498	5.89554	2.59088	4.01401	0.78421	1.11728	3.76971	4.69662	3.76971
1.66299	3.4137	1.69321	2.18729	3.05917	1.28168	5.00201	6.02621	6.76413	6.02621
2.06778	2.79526	3.84027	0.763489	3.52817	3.46799	4.50641	4.26938	4.94839	4.26938
2.44101	4.51093	2.19046	2.88898	3.69305	1.2338	5.95425	2.47522	6.32693	2.47522
2.09769	3.43036	5.82938	2.22482	2.96176	2.77838	6.36331	4.14243	7.39728	4.14243
1.55551	3.23138	7.81717	2.11319	4.76196	2.53943	5.60019	4.4679	7.37341	4.4679
1.91632	2.9697	2.5882	3.80014	4.22104	3.12857	2.59811	5.44916	8.42303	5.44916
1.7634	2.28839	3.15332	5.86136	3.18774	3.21027	5.03235	5.569	7.6936	5.569
2.44788	2.70578	-0.88452	4.38312	3.02307	3.62097	2.16937	4.96179	7.67538	4.96179
3.73273	4.39944	2.53009	5.49277	2.35223	-2.03842	4.28452	4.86578	6.14584	4.86578
5.52768	1.60486	1.64474	2.26462	4.01459	-0.59546	3.13052	8.8291	6.32883	8.8291

5.05725	0.875092	4.00156	1.97787	3.73132	0.447937	5.65723	6.80939	9.51413	6.80939
4.6582	5.1571	3.84143	3.00888	2.72519	2.40851	5.08698	3.79404	8.14072	3.79404
2.84	6.58469	-0.27768	2.08838	2.71707	0.525055	1.26694	4.2485	4.02686	4.2485
2.80417	4.02914	3.80087	3.50137	4.57986	3.66498	4.30231	0.621399	7.42258	0.621399
2.9469	3.27893	2.24265	2.32056	5.07816	1.75299	3.60294	3.64264	6.17792	3.64264
3.27066	4.88586	2.58807	1.65213	2.39996	1.72498	3.52368	4.93353	7.40988	4.93353
1.60211	5.1817	4.39645	4.22079	5.01587	1.17563	4.06708	5.73352	6.23151	5.73352
4.0686	2.91931	3.89719	4.40195	4.29694	2.31216	3.40781	4.54556	4.91632	4.54556
4.93558	3.4205	2.64154	1.36057	5.29285	2.70917	3.73425	3.70969	3.8988	3.70969
4.44556	5.7923	1.26978	3.25952	2.4332	8.09058	3.78607	4.97849	2.41129	4.97849
5.64294	2.13223	6.1218	3.32187	2.61893	5.18066	4.71173	4.82498	4.01913	4.82498

38	39	1973-2022 Anomalies	0	1	2	3	4	
ACCESS-CM	UKESM1-0-LL		ACCESS-CM	ACCESS-ES	AWI-CM-1	BCC-CSM2	CAMS-CSM	
r1i1p1f1	r1i1p1f2		r1i1p1f1					
2.09125	2.33591	1973	1	-0.50366	0.299408	0.705231	-1.29675	0.598938
-0.19574	4.42032	1973	2	0.486267	-2.40677	0.109467	-2.5983	1.04739
0.16156	-2.3042	1973	3	-1.39224	-3.75162	-0.81314	-2.37195	1.59262
-2.79398	-0.61115	1973	4	-2.3009	1.10141	-0.01248	0.610352	-4.11676
0.216614	-2.59302	1973	5	-2.40799	0.137421	-0.42654	0.211517	0.773315
-0.74963	-2.85748	1973	6	-1.54132	0.264404	-0.36057	-1.20056	-0.16519
-1.19635	-0.83383	1973	7	-0.31946	-2.8443	-1.08734	-1.60141	-0.41962
-1.08548	0.708405	1973	8	0.172119	-3.09293	-0.64975	2.53568	1.59949
0.155121	-0.40677	1973	9	-4.89359	-5.05536	-1.27106	-1.61691	1.73709
1.56241	-1.04312	1973	10	1.77051	-3.37604	-2.1254	2.64459	-2.88882
-9.12E-03	-9.29E-02	1973	11	-3.06284	0.95343	-0.2496	2.72247	-0.76358
0.704987	1.93283	1973	12	0.296265	-4.1185	-2.62766	-1.66061	2.82205
3.16644	3.43683	1974	1	-1.03625	-2.22458	-1.02847	-4.49887	1.63403
1.85187	0.938507	1974	2	-2.36041	0.500244	4.28058	-6.42532	4.53409
0.86084	6.14212	1974	3	0.574738	0.302399	2.25928	-6.65375	0.589417
0.590424	0.760132	1974	4	-1.36069	-1.91858	1.55411	-2.46826	-3.22714
2.76541	-3.0625	1974	5	-3.13028	-2.2894	0.740265	0.904419	-1.63177
-0.92181	-2.21118	1974	6	-2.50403	-1.4809	-2.35626	-2.98825	-1.0076
-1.59915	-1.87253	1974	7	-0.75134	-1.50958	-2.71353	0.143768	-3.41241
0.28421	-0.1431	1974	8	-0.46716	-2.16232	-2.40646	-2.03641	0.044769
-0.29208	0.438324	1974	9	-2.06506	-0.27805	-0.56964	-0.98859	0.254395
2.32028	-1.121	1974	10	-4.05081	0.014954	-0.82431	-2.51361	-0.04764
0.65976	-2.96561	1974	11	1.63428	2.03635	-3.0015	3.53427	-1.50708
4.15228	-0.27127	1974	12	1.62506	-0.09158	-1.28516	-4.19391	-3.68314
0.956421	-2.14758	1975	1	-6.21387	1.4357	-0.78726	0.015747	-0.30158
3.86856	-4.77298	1975	2	-4.66452	1.89014	-2.99341	-3.18292	1.87201
3.82974	-2.12219	1975	3	0.694763	-0.52921	1.09286	-2.21375	-1.83917
2.4649	-1.09317	1975	4	-1.54449	-1.21259	-2.1604	-0.25415	1.56244
1.64832	-0.26492	1975	5	-1.10388	-0.431	-0.40494	-3.56708	0.388031
2.07318	-0.92947	1975	6	-1.56082	-1.79688	-1.03986	-2.52313	-2.0853
-0.54565	1.58878	1975	7	-1.11307	-0.30377	-1.49582	1.14847	-2.8497
3.72742	-2.08868	1975	8	-1.03857	-0.73023	0.283234	-3.48621	-0.99814
0.397919	0.950134	1975	9	-3.28589	0.254639	0.011749	-1.8522	0.833496
-2.121	0.228485	1975	10	0.952881	-1.46194	-2.28171	1.57449	0.677368
-0.80554	0.587372	1975	11	0.495667	-2.20407	-0.69251	0.529877	-0.28546
2.38278	4.51425	1975	12	4.49786	-4.25098	0.674438	-0.96283	-5.32843
2.65344	2.38223	1976	1	4.36295	-3.1553	-0.36945	-2.94424	1.71783
0.596588	3.539	1976	2	2.74176	1.27695	-1.11163	-2.20172	-3.8703
-7.47E-02	3.9686	1976	3	1.94205	-0.52701	-5.19952	-1.19626	-1.57559
1.5437	3.94174	1976	4	1.31491	1.53912	-1.6218	0.549744	-2.06683

1.1113	3.05939	1976	5	0.063202	0.080811	0.95755	-3.80786	0.266022
-0.13074	-0.64777	1976	6	0.054962	-0.93518	-1.08215	-1.31726	-0.49829
-1.29056	-2.92111	1976	7	-1.90976	1.76831	0.424866	-1.18863	-2.34821
-3.88528	-1.37531	1976	8	-4.07709	1.93738	-0.52786	-1.3999	-0.05103
-2.23737	1.19974	1976	9	-1.11346	-3.75476	1.12714	-3.54379	-0.97501
2.3707	-4.53342	1976	10	0.660583	-2.04736	0.6091	-0.026	-3.70145
-2.03494	-1.45432	1976	11	1.56287	0.269257	-1.04361	-1.82123	1.72284
2.79956	-2.35117	1976	12	1.12686	1.3949	0.515045	-0.83841	0.584961
1.60724	0.401306	1977	1	0.922729	-2.1088	-1.06247	0.758942	1.61734
1.71027	3.09741	1977	2	-0.22504	-4.47757	-2.29633	-3.09262	-5.9278
1.80484	-4.44699	1977	3	-3.21985	0.703003	-8.86945	1.26453	-1.22818
-0.1131	-2.94345	1977	4	-2.784	-2.30917	-5.065	1.47565	-3.08994
0.775604	0.54538	1977	5	-2.49118	2.50882	-0.23505	-2.04578	2.71033
-0.65021	-0.47168	1977	6	-1.62732	-1.70459	-1.72977	2.31665	0.27829
-0.60574	-0.81583	1977	7	-2.62216	1.31741	-3.31073	0.963989	1.30377
0.708008	-1.56381	1977	8	-0.84216	0.4487	-3.63745	0.108093	0.730072
1.41443	-1.36728	1977	9	1.70493	-4.38174	-2.98425	-0.95941	-1.01312
-0.33319	0.365784	1977	10	-1.1525	-2.32275	0.028595	-0.52142	-0.00455
-2.02054	1.01358	1977	11	0.97998	-0.28876	4.14081	1.77469	-0.57117
-0.82544	-2.29626	1977	12	-0.03314	-1.2995	-2.47336	1.56027	-1.34955
-0.63107	-4.09958	1978	1	-0.84256	1.52991	-1.54025	4.10025	-1.31897
-2.19653	-1.75848	1978	2	-0.29633	0.541046	-1.75412	-0.30551	-0.0744
-1.01245	-0.92661	1978	3	-2.00604	2.27408	1.57526	-1.70255	-1.08679
1.99139	-2.24655	1978	4	-2.00348	0.204803	-4.9834	-1.37006	2.00586
2.01941	1.5499	1978	5	-1.66669	-1.10489	-1.43314	3.88022	-0.38168
-3.06241	-0.24896	1978	6	2.91718	-1.41779	-2.40176	-0.08304	-0.3909
0.117645	0.553375	1978	7	0.161255	0.327911	-2.53732	0.339081	0.592987
1.75372	-0.46469	1978	8	1.71103	2.55688	-3.57434	3.38437	0.581573
1.96152	0.179413	1978	9	-3.69968	4.75626	-0.31885	-1.3255	0.111481
-2.79572	0.767883	1978	10	2.71341	-0.29956	0.273987	4.1955	-2.15634
-2.27893	0.29599	1978	11	2.32056	-1.33777	0.481018	-0.52573	-0.13098
-0.17853	0.836548	1978	12	-1.15454	-3.40018	-1.78604	3.56018	0.695343
2.52484	5.11871	1979	1	2.14062	0.136108	1.57513	2.85834	-5.84637
1.01236	1.70743	1979	2	2.75436	0.341034	-1.72592	0.094605	1.7543
0.113556	-0.1843	1979	3	2.82614	1.68958	-3.54303	3.86383	-0.35489
1.59332	1.04315	1979	4	-1.13608	0.175323	0.203217	-0.14676	-0.38165
0.469299	2.48508	1979	5	1.34091	2.3519	0.211456	-1.55777	-0.79459
0.195374	-0.12137	1979	6	0.974091	-1.05649	-1.50388	-0.46726	-0.2937
1.31274	-2.71811	1979	7	0.534943	1.67441	0.130859	-2.73181	-1.7063
0.972137	0.98349	1979	8	2.16321	-0.4971	0.732147	-0.55512	-0.51782
0.532928	4.13632	1979	9	-1.12607	-2.23654	-2.06036	-0.1817	-1.41772
-1.4035	1.47678	1979	10	2.7175	0.464935	-1.40671	-1.46582	0.614777
4.06238	-1.61813	1979	11	-0.01263	1.48785	0.572296	-0.30682	1.51303
1.70328	0.800537	1979	12	0.693787	0.308716	-1.40466	-0.98142	-0.52994
3.50912	1.90591	1980	1	1.62064	-2.84	1.02325	8.33905	2.12134
3.85147	-2.0882	1980	2	0.31308	1.52072	-3.36432	2.91479	4.42941
1.62E-02	-1.18619	1980	3	-4.15125	0.268677	1.21545	-2.11795	-1.19629

-0.33319	1.63126	1980	4	-1.05029	1.82953	2.02271	2.91504	-1.75385
-0.98178	-1.00482	1980	5	1.3436	0.059204	-0.55414	0.446442	1.05551
-1.61972	0.918213	1980	6	-0.04291	-0.2691	-0.92716	-3.10904	-0.38251
0.181946	0.138977	1980	7	1.02365	-3.0593	-2.52823	0.097992	-1.43402
-1.87E-02	-0.19309	1980	8	-2.99606	-2.53983	-0.47766	-1.14923	0.184967
-2.53839	2.27094	1980	9	-2.98117	-0.24426	4.47064	-2.4418	-2.84262
-2.4584	0.260284	1980	10	-1.9313	-0.19476	-0.05621	-1.23502	-0.20474
-1.01303	3.86578	1980	11	-1.49954	-1.77496	-0.42481	-4.25571	-0.78156
2.47888	3.26465	1980	12	-4.88602	-3.94638	-1.94064	-5.02133	2.30475
1.98172	0.814911	1981	1	-3.03778	0.713196	1.33905	1.53714	4.39963
-0.93402	-6.6319	1981	2	3.83997	-1.47296	2.47107	-2.49252	0.151794
-2.04544	1.5596	1981	3	0.433136	-1.17783	3.86627	-0.47897	-0.9404
2.3429	-2.02914	1981	4	-1.17371	-2.1828	1.80371	1.67023	0.659058
-0.4151	-0.9404	1981	5	-0.85111	-2.56119	0.55127	-2.22076	1.53241
-0.49274	1.47034	1981	6	0.231567	-1.6409	0.592834	-0.05344	-3.21109
-4.86E-02	-0.25601	1981	7	0.471954	-2.20328	-1.57672	-0.79163	0.349487
-1.95416	-1.8764	1981	8	-0.12238	-1.15472	-0.20895	1.58899	-0.04361
-3.59698	-0.12479	1981	9	-0.90158	-0.10895	-3.52585	-2.6456	-1.7897
-0.97101	-0.86331	1981	10	-0.08652	-5.36844	-2.77051	1.43719	-0.05905
-0.55133	-0.24161	1981	11	-3.72183	-3.19107	-3.63541	-0.67401	1.25983
-0.32483	1.57013	1981	12	-1.61292	0.906525	-0.50314	2.43237	-3.76953
-1.06696	3.28912	1982	1	-5.02048	-3.57401	-1.70306	1.82455	-1.68765
-3.77902	6.09671	1982	2	-0.61511	-0.12335	-1.54971	0.179596	-0.04599
-1.35846	-0.74048	1982	3	-1.04605	-0.00153	1.39166	-3.62537	-3.75497
1.80E-03	0.404236	1982	4	-1.6972	-1.63757	1.48682	-3.46057	-0.78543
-0.41818	-2.75E-02	1982	5	-0.75888	-3.89999	0.244049	-2.03046	1.27573
0.800171	-1.42938	1982	6	-1.78192	-1.34918	1.34073	0.704742	2.11819
-1.14404	-1.45712	1982	7	-4.09195	-3.22647	2.47296	-4.36163	0.528198
-0.47607	0.641388	1982	8	-0.48447	-1.34781	-0.06265	-3.02951	-0.69083
-5.52979	-0.98099	1982	9	1.83182	-0.02997	-0.12436	-0.44769	1.99649
-2.76581	-0.84421	1982	10	-1.11832	-0.04294	-2.56439	1.2338	-2.06793
0.564972	-0.71372	1982	11	1.10938	-1.94626	-3.79788	3.92548	0.41214
2.87479	0.93454	1982	12	0.647186	-1.66318	-3.90955	-5.44562	-5.97473
-1.38846	1.8287	1983	1	-1.08386	-0.1575	-0.09247	-3.56335	0.571228
3.12738	4.22061	1983	2	3.06677	-2.92987	-3.54373	-2.14102	-3.24881
4.26004	3.8027	1983	3	0.828735	-0.35172	-0.13544	0.712738	-0.74429
1.36612	4.66055	1983	4	-0.1221	0.408813	0.4039	-0.70746	-0.01025
2.25662	-1.4187	1983	5	-0.75638	-2.06918	-1.45883	-3.20547	-1.36926
-0.19544	1.59152	1983	6	0.301086	-0.0191	-2.83215	-0.53375	1.81189
-1.72195	0.568268	1983	7	-1.24835	2.20911	-1.34402	0.391266	-1.4823
2.22293	0.436493	1983	8	-1.36279	0.014282	-1.61624	-2.24011	-1.22394
-3.45428	2.52512	1983	9	1.10672	-0.62436	-2.56155	-4.0181	-1.67661
-2.4541	-0.52292	1983	10	-3.47992	-0.20786	0.114807	0.065491	0.274872
0.879272	2.26068	1983	11	-2.76334	-0.79367	-1.63919	-1.98203	-3.03278
-0.64362	2.24225	1983	12	0.866364	0.281097	-2.10657	1.14728	1.76666
-1.69577	5.64493	1984	1	0.067444	-1.1608	-7.00095	-2.83377	1.05984
0.154175	2.68771	1984	2	2.62738	-3.12646	-5.27701	0.354706	2.5972

0.922638	2.19211	1984	3	-0.63666	0.12149	-2.15973	-0.79855	1.59332
1.36481	4.85E-03	1984	4	2.93372	-0.94339	0.892426	-1.39307	0.677856
-1.043	1.8815	1984	5	1.1774	-0.71118	1.33536	-0.38705	-1.25598
0.957275	3.26233	1984	6	1.25977	-1.4288	-1.48218	0.861938	-1.29919
-1.99887	-0.55441	1984	7	0.473145	1.2312	-0.18192	-2.89441	0.032288
-1.92767	0.775513	1984	8	0.092835	-6.46701	-1.92294	-1.49402	-2.32541
-1.57379	2.77472	1984	9	0.945618	-1.07477	-0.52277	1.76981	-2.90012
-0.79901	-1.36591	1984	10	-1.4726	-2.06604	0.920593	-0.42212	-2.34723
0.324982	1.38437	1984	11	0.944183	-1.29135	-4.30841	-0.77301	0.810547
0.366577	3.26013	1984	12	-1.32333	-0.58038	0.364746	1.67789	-2.20334
1.45663	3.9183	1985	1	-2.34918	-0.09378	-1.66025	0.64035	4.08673
-2.80801	-3.06427	1985	2	-2.19412	0.826935	-5.12421	5.371	3.22171
-5.55E-02	-2.10559	1985	3	-0.27567	0.0672	-5.14624	1.62125	1.4129
1.32611	-0.82367	1985	4	-2.3978	2.18213	-1.6246	1.75415	1.77124
-0.92868	-1.55722	1985	5	0.779602	-0.81018	-1.59445	-0.16037	1.50851
0.765686	-2.68738	1985	6	-0.06882	3.39651	-1.08707	1.01987	0.710999
0.113556	-3.33511	1985	7	-1.39786	-0.90759	-1.14374	-0.86163	-0.86313
-1.74438	-3.4523	1985	8	-0.90308	-3.9798	-1.40195	-0.12512	-2.38571
-1.02008	-1.33688	1985	9	-0.82938	1.03183	-0.71536	2.21051	1.19427
-0.65869	-1.34E-02	1985	10	-0.5614	0.412445	-0.29779	0.264496	1.26736
0.924683	2.33569	1985	11	0.352478	-1.32205	0.749207	-1.63193	-0.88696
3.88406	-0.68137	1985	12	-0.23361	1.72	-0.83585	-4.25351	-2.91254
2.29633	-1.32788	1986	1	-2.27017	-0.629	1.93344	-5.17645	4.40503
0.589478	-2.83548	1986	2	1.48776	1.05264	3.25189	-7.51331	0.298615
-0.66504	-4.5925	1986	3	-1.57764	-0.77622	0.428375	-1.63275	1.1792
1.332	1.90265	1986	4	-2.36139	-1.26428	-0.18378	-2.10446	-1.04865
-1.6842	-2.9704	1986	5	-1.35379	-1.81299	-0.92163	3.54742	-0.31308
-0.94281	-0.57007	1986	6	-0.44031	-3.82867	2.76575	2.08597	0.780396
-2.29477	-0.61292	1986	7	0.606842	-1.00388	-0.91473	-2.21222	0.722687
-2.00659	1.20142	1986	8	-0.38919	-2.43921	-1.02576	-3.2319	-1.43622
0.922638	-0.99927	1986	9	-0.17038	-3.55975	-3.66776	0.778198	1.53458
-1.7504	5.28E-03	1986	10	-1.60321	0.485657	0.090607	0.775085	1.19968
-1.69043	2.00479	1986	11	-1.12231	1.73135	0.156311	-0.5585	0.227722
1.19156	0.662537	1986	12	0.509888	-0.4216	0.047546	3.08429	0.587646
4.23685	4.0209	1987	1	3.37003	-2.6633	-0.81317	4.27814	-1.71237
2.07037	-3.6431	1987	2	-0.69782	-3.18246	-2.54883	4.4765	-1.37
-0.56006	-1.8624	1987	3	2.58826	-2.27621	-1.31433	0.573242	-2.44629
1.89932	-2.00436	1987	4	-0.4552	-0.797	-3.44229	-3.27087	-1.24893
0.643219	0.124481	1987	5	-1.41269	-0.51437	-1.68073	-1.30356	-0.21619
-2.50671	-1.66257	1987	6	-2.62021	-0.08749	-1.17087	-4.67636	0.683716
-1.18414	0.30719	1987	7	-1.49435	-1.78348	-0.23483	-3.26224	-0.81082
-0.62058	-0.11029	1987	8	-3.43619	0.097076	-2.25494	-2.50003	-1.53741
-2.75937	-0.30026	1987	9	-0.47388	-3.10486	-1.26385	0.020416	0.874481
-1.9613	-1.43652	1987	10	-2.87302	-1.62186	1.55231	0.489685	-2.26593
2.93188	2.85498	1987	11	1.03638	2.02884	-1.8201	-2.51532	-1.03818
1.95306	1.61935	1987	12	-0.30222	-1.97018	-0.69644	4.60397	-3.56793
6.10733	-2.44388	1988	1	-0.20487	-0.86209	-3.09705	1.69943	-0.14597

8.90E-02	0.856018	1988	2	-0.15283	-1.22815	-2.96021	8.97568	-5.436
-1.76984	3.81091	1988	3	-1.82886	0.929596	2.01166	3.09103	0.325012
-2.18008	9.68E-02	1988	4	2.1972	-0.2468	-1.18359	2.44815	2.04544
-0.74658	-1.40872	1988	5	1.17792	2.94211	1.04425	-0.87628	2.32312
7.87E-03	-1.85577	1988	6	0.405487	-2.26147	0.911346	-1.01874	2.38699
4.83E-02	-1.34683	1988	7	-3.90045	-2.50769	-0.51843	-0.49262	-0.34982
-0.26959	-2.85199	1988	8	0.230225	-0.47421	-1.43375	2.99249	-0.41812
-1.39789	-1.15787	1988	9	-0.47159	-2.42966	-2.74765	0.470795	-0.62793
-2.37921	0.717285	1988	10	2.0311	-2.30386	-2.04819	-1.32953	-1.72372
-0.28064	3.77899	1988	11	0.566162	-0.94815	0.008698	2.28418	-1.47787
1.56229	5.57004	1988	12	1.23788	-1.5011	4.03793	4.99759	-1.38913
-3.65787	2.72861	1989	1	-4.68256	-0.27298	1.86383	-1.04807	-3.74606
-2.62082	4.42783	1989	2	-3.43454	-1.40985	0.550385	-3.67291	-1.58099
1.77594	2.3009	1989	3	-0.77786	0.322693	-2.02115	1.29175	1.26993
3.05872	1.23895	1989	4	-0.1951	2.23822	0.208618	0.096039	0.38266
-1.40189	1.61099	1989	5	-0.93909	1.10431	0.716553	0.042542	1.65933
1.58539	-3.72076	1989	6	-0.74323	-1.69839	-0.17798	0.011353	-1.4144
-1.92416	1.21768	1989	7	-1.14517	-1.20547	-1.29044	0.719086	-1.3349
-1.39667	1.9632	1989	8	-0.95789	-1.23102	-2.38785	0.534271	1.00989
0.52182	0.582733	1989	9	-1.63837	1.67786	1.60645	0.233002	-2.09531
0.201691	-0.66501	1989	10	1.10638	-0.66586	1.67609	-0.64212	-1.61765
0.154968	2.40826	1989	11	0.788361	0.431641	-4.38748	-0.39203	1.18054
1.48138	1.08353	1989	12	-2.42883	-0.74008	1.18304	-4.05441	0.412262
-4.05228	-2.04538	1990	1	-2.36356	1.43512	-3.37527	-6.44925	1.16403
3.30768	-4.76489	1990	2	-2.43613	-2.63275	2.96277	-1.77271	-2.98669
0.733337	0.971802	1990	3	2.58176	-0.06113	-2.09073	-1.75836	0.487427
0.108124	-2.10565	1990	4	-1.4967	-1.82059	-1.38568	0.424927	1.91165
-0.9306	-2.61752	1990	5	-0.1196	1.00391	-2.85825	-0.78677	-0.44339
-0.41391	-1.02127	1990	6	0.14859	-0.80389	-1.78177	0.060638	0.548401
1.55954	0.390289	1990	7	-2.93506	-1.76599	-1.02884	3.13757	0.099182
0.566925	-1.7952	1990	8	1.36533	-1.46323	-1.34845	-0.00693	-0.57202
0.968536	-0.97717	1990	9	-1.33029	0.516632	1.36194	0.327209	0.139374
-1.37912	-3.15381	1990	10	-2.62399	-0.39194	-2.75699	-2.32193	2.67438
0.116974	-0.56104	1990	11	-2.04013	-4.11737	0.321716	-5.0672	0.537018
-0.86783	2.77435	1990	12	-0.64734	0.852417	0.520538	1.62167	2.51544
0.308838	-0.16357	1991	1	0.471924	2.38181	2.58844	0.059448	-0.23337
2.07257	0.920929	1991	2	-3.14612	-1.67267	-0.10114	2.6044	-0.99539
2.31625	0.603912	1991	3	1.62216	-1.0936	1.52365	2.96243	-2.3761
0.997406	-2.04227	1991	4	-0.6044	-1.7612	0.659302	0.91275	-2.54974
8.48E-02	-0.66422	1991	5	0.501923	-0.97568	-0.87555	-1.57346	-1.01007
-1.06934	-1.13766	1991	6	-0.58963	0.244812	0.608246	0.551056	-1.23831
1.96146	1.28299	1991	7	-1.56787	-2.33469	0.210968	1.98758	-0.26563
2.02582	-1.40729	1991	8	-2.86887	0.644287	2.62024	-0.39362	-1.43213
-0.63528	0.251831	1991	9	-0.11859	0.652649	-2.31476	-0.78751	-0.77612
0.297302	2.16119	1991	10	-2.44632	1.83835	-1.81961	-0.52011	1.19485
-1.93604	0.499268	1991	11	-0.82553	-0.99716	-0.85379	0.500275	-1.76398
0.372864	-1.97955	1991	12	-0.04544	-1.80908	-2.66064	-2.49551	2.68246

-1.71255	2.74841	1992	1	0.875427	1.02521	2.53693	0.86145	-0.60767
-2.24551	4.80841	1992	2	-0.79901	-3.58426	2.52078	-3.021	-1.34698
-0.59454	5.21811	1992	3	1.74216	-1.9259	0.708954	-2.44647	-3.88647
-1.1326	-2.18057	1992	4	-3.42499	-0.26648	-1.51529	-1.17526	-1.00916
0.208801	-2.21222	1992	5	-2.3699	0.517303	-2.01273	-1.60898	-1.06589
-2.09622	1.65784	1992	6	-1.68854	-1.13467	-2.10828	-2.87213	0.991211
-0.94867	1.96497	1992	7	-0.88965	-2.42297	-0.11014	-2.96933	-1.91351
-2.39539	2.4061	1992	8	0.223236	-2.20111	-2.12827	-2.96222	-1.83322
2.93E-02	2.72812	1992	9	-4.93509	-0.68317	-0.15006	-1.8779	-0.0838
0.804108	2.25049	1992	10	-0.67349	-3.42615	-3.44418	-4.29071	-0.00143
3.36E-03	2.53857	1992	11	-0.03632	-2.15897	-2.1073	-3.272	-0.52408
2.06067	-2.35065	1992	12	-1.50412	-0.33588	-0.94617	-3.24643	0.049561
4.03912	4.52023	1993	1	-2.47507	0.749115	1.26505	-2.57126	-2.06036
-1.74393	4.90613	1993	2	-0.67224	1.83664	6.65717	-3.37491	4.7699
2.21936	4.05432	1993	3	-1.63385	0.476593	0.960754	1.27823	-0.7905
-1.09088	2.66104	1993	4	0.947601	-0.16299	-0.31848	-1.77457	0.139648
-2.18518	4.35489	1993	5	0.32431	-2.69299	-0.83795	0.031128	-1.75998
-0.32492	-0.74179	1993	6	-0.34714	-0.38889	-0.65857	-1.96765	-0.58939
0.629333	-0.52292	1993	7	0.498047	-0.97669	-0.63782	-0.41693	0.051697
0.362335	0.98941	1993	8	-0.87747	0.222504	-0.79956	-1.51962	-0.07953
1.05414	2.73523	1993	9	-1.48468	-1.66464	-0.76697	2.3053	-1.89243
-1.74899	-1.5694	1993	10	-1.8577	0.901642	-0.19309	-0.76892	1.08118
1.31458	2.10187	1993	11	0.512268	-0.14716	-1.7662	-2.62363	-3.71365
1.89838	3.50754	1993	12	0.851166	-4.06348	-0.43875	-3.42023	-3.64883
-2.14328	3.25592	1994	1	1.93573	-0.90448	-4.26535	3.18146	-5.26917
-5.49121	-1.19028	1994	2	1.01517	1.52612	-4.40613	2.91818	0.3526
-0.48834	2.50531	1994	3	-0.64725	-2.65271	-5.83804	-1.33698	2.66013
2.99301	1.70694	1994	4	-0.5621	-2.98767	-2.00027	-1.62567	0.31485
1.31732	-1.2735	1994	5	-2.34839	-0.8685	-0.64725	2.80804	-2.82019
-9.03E-02	0.362427	1994	6	-1.71423	1.6709	0.663544	-1.18436	0.635712
-5.65E-02	0.158783	1994	7	-0.10486	-0.7002	-1.61353	1.71359	-0.01712
-0.52097	-2.4212	1994	8	-0.26846	-1.34412	-1.03674	-0.93332	0.141083
-0.31229	-0.55737	1994	9	-1.21268	0.50705	-0.21915	-0.06961	3.12909
-2.07901	0.680603	1994	10	-0.84491	3.03574	-1.59048	-1.3074	-2.80295
1.30786	1.36078	1994	11	-2.18552	0.993439	0.019196	0.5	-0.05008
7.84E-02	4.18225	1994	12	-0.84653	0.904999	-0.79337	-3.75104	0.334045
-3.93475	0.243408	1995	1	-1.97388	2.15002	-0.87116	-2.37207	-4.08325
1.02908	3.40253	1995	2	1.61298	-4.03436	3.24197	-4.18152	-3.10989
-0.75784	3.5531	1995	3	2.53775	-4.52481	-2.78165	-4.74597	1.2749
1.54071	-5.64E-02	1995	4	2.521	2.03052	-3.48978	-3.60077	0.666046
-0.9838	0.542999	1995	5	0.5383	0.657501	-0.67664	0.878418	-0.98846
-2.21582	0.279419	1995	6	-4.30261	0.909821	-1.07578	-2.52295	-0.58231
-2.30984	1.24268	1995	7	0.980438	1.24231	-1.63062	1.72678	-0.10791
1.78992	0.512299	1995	8	-1.74777	-0.69382	-1.28046	-1.35861	-0.08551
-0.64307	-1.86566	1995	9	0.151733	1.07925	-0.88464	2.89441	1.35138
0.994995	-2.52499	1995	10	-2.65179	1.56085	-0.62021	0.375671	2.16016
-1.08932	-1.23102	1995	11	-0.92004	-3.32617	-4.26001	1.39648	-1.07187

-6.44E-03	1.03983	1995	12	-4.72742	4.40021	-2.62344	-7.45572	-2.39035
1.01083	-5.08038	1996	1	-0.37958	-0.89999	-2.34927	-4.91245	1.76074
-3.04333	2.54932	1996	2	-0.08963	1.02414	-2.16882	-4.612	0.985291
-3.66315	2.8092	1996	3	-1.68674	2.82758	-4.64584	-1.01007	3.75043
1.42532	-1.40967	1996	4	2.27322	-0.68158	-2.23279	-2.67746	1.58676
0.384796	-2.28271	1996	5	-2.46729	0.121124	0.039063	-2.93686	-0.42407
-0.91272	-0.54648	1996	6	0.826965	-1.0426	1.68604	3.20996	-0.08759
-0.29105	-1.51294	1996	7	-3.10095	-1.51257	-1.22653	-0.54361	1.2565
-0.25668	0.774414	1996	8	-0.32059	0.01709	-0.11795	0.489197	-1.53232
0.960815	0.162537	1996	9	-2.23349	0.614349	-3.50577	1.75891	0.980591
1.79498	0.485504	1996	10	-1.70721	-0.93234	-3.12219	-0.98331	-0.11734
-0.85022	0.18277	1996	11	-1.12802	-0.13925	-0.66541	0.161774	-2.47528
-1.00613	-1.02945	1996	12	-0.47482	0.418121	-3.19415	-1.42072	-3.25113
-4.04688	-4.15598	1997	1	0.492828	0.750702	-3.79617	0.538239	0.412445
0.992859	-2.99649	1997	2	5.43347	2.26184	4.08578	3.0242	3.72562
-0.49844	3.358	1997	3	2.70483	-0.51502	2.00336	1.19385	0.962128
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-0.45609	-7.59E-02	1997	5	-0.25198	1.13641	-0.63083	-2.50757	-0.03949
-0.31003	2.44952	1997	6	0.309387	-0.13168	-0.90698	-1.61694	0.577209
-0.68317	-1.66052	1997	7	2.61884	1.71481	-0.21375	-0.48511	3.38217
2.79782	-0.42001	1997	8	0.138916	1.74869	1.60315	-2.10852	-0.72452
1.51733	1.01501	1997	9	1.48883	-3.77417	1.74234	2.755	-1.27103
-0.37509	-0.17661	1997	10	-1.34842	-0.90735	1.06259	-1.76611	-0.24854
-0.64114	1.33429	1997	11	-1.79303	-0.58334	1.93829	-2.79871	1.91965
1.26767	-0.16696	1997	12	2.13757	-1.7355	0.350342	-4.13593	5.74036
2.47913	7.12833	1998	1	-0.98126	-2.6008	-0.57437	3.89066	1.64044
-2.39001	3.73743	1998	2	-0.54663	1.11884	1.76767	2.10809	-0.32639
-1.61285	5.57132	1998	3	-0.41666	0.151276	6.46286	0.326233	2.37341
-1.81198	-0.48975	1998	4	0.441101	-0.00787	2.9176	-0.40778	-2.23694
-0.60999	-0.1467	1998	5	2.10632	-0.4173	-0.12784	2.69403	-0.51309
1.30386	0.627136	1998	6	-0.23972	2.16962	-0.73248	-1.59406	-0.54721
3.84793	1.62769	1998	7	-1.87027	0.547211	-0.10822	0.299286	-1.56662
3.16602	1.56299	1998	8	-0.13858	0.224487	2.96603	2.28778	0.578766
1.70792	0.161713	1998	9	0.15741	-0.52057	1.26486	0.597412	-0.52771
-2.3049	-2.0484	1998	10	-0.86112	0.939056	-2.39319	4.07318	1.90256
2.89417	3.21939	1998	11	-0.51202	-2.79645	0.80011	-2.2034	-0.87466
0.210876	1.02234	1998	12	-1.95001	0.013397	3.72003	-0.21802	-0.21564
-0.58188	2.52142	1999	1	0.69754	-0.1102	-2.37445	2.33066	1.77713
-2.40002	3.43033	1999	2	-1.66483	2.96722	0.887482	2.56238	-4.25491
4.82E-02	1.70602	1999	3	-0.03015	0.057678	-0.51202	1.94275	-0.90237
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2.36261	0.550995	1999	5	1.05591	-0.633	-0.64923	1.06302	0.04953
9.28E-03	1.94461	1999	6	0.169464	-0.349	2.05423	0.741669	0.060608
0.553131	2.25E-02	1999	7	1.15103	-1.2504	4.21338	-0.88532	0.8638
-0.68198	-0.37051	1999	8	-1.50998	0.623779	1.61154	1.51208	-0.32132
-3.44647	-0.81009	1999	9	-0.88477	-0.75314	4.07376	-0.383	-0.88791
1.96469	-0.9953	1999	10	-2.00479	1.83694	0.222412	1.65939	1.96567

3.11996	2.11038	1999	11	-2.68481	0.795746	2.31891	1.4538	1.56314
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0.220154	4.27521	2000	3	3.02945	0.407288	1.81927	1.12274	2.54562
1.1203	8.73E-03	2000	4	-0.05478	-1.08209	-0.7507	0.43045	-2.01114
-0.29358	-1.73923	2000	5	-1.1022	-3.00479	0.853058	1.57224	-0.15057
-0.67972	0.928925	2000	6	1.81018	0.2258	0.929535	5.35306	-0.99411
-0.67465	8.57E-02	2000	7	2.24014	-1.2789	0.709167	2.54218	0.135681
-0.80838	1.71469	2000	8	-0.67648	-1.55103	1.04935	1.84399	-0.31912
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-1.7052	-0.2226	2000	10	-0.92322	2.49554	-1.93109	2.70239	0.396362
1.13486	2.29337	2000	11	1.53836	-0.67456	0.039612	-1.0549	-3.05597
0.74646	2.09045	2000	12	-4.04462	1.604	0.04834	2.77829	3.21967
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-2.59E-02	-0.98557	2001	4	-1.78778	-0.39438	-0.7677	-1.04935	0.161163
-1.14218	0.6297	2001	5	-0.29309	-0.67319	0.655853	-0.83395	-1.32047
-2.19943	-0.79736	2001	6	1.52307	-0.84088	0.334534	-1.45044	-0.82941
0.251831	2.72018	2001	7	-0.61566	-0.61539	1.92017	0.955872	-1.4989
0.578033	0.498993	2001	8	1.40561	0.145477	0.442261	-2.71451	2.19977
-1.63629	2.49881	2001	9	1.44571	1.04935	3.67746	-1.8356	0.473083
-3.56461	1.90289	2001	10	2.34338	1.07266	1.01071	2.17908	-0.68683
-1.58243	-0.15772	2001	11	0.968384	-0.19107	3.01682	4.67908	3.64853
1.50656	-1.75925	2001	12	2.73056	-0.77988	1.30493	-0.74353	-0.90134
0.183319	-4.39258	2002	1	-1.12875	-2.2771	-0.23645	-1.19647	0.791229
-0.47342	-1.59857	2002	2	-1.41232	0.210846	2.88068	-2.42081	2.99442
-2.23315	2.03421	2002	3	2.70764	-0.5737	7.71918	-0.59576	-1.88358
-1.92389	5.09695	2002	4	0.214722	-0.27429	-1.0061	1.17133	0.230865
-3.91449	0.489197	2002	5	2.05112	1.18912	0.289062	-0.98837	-2.54037
-3.97931	2.04404	2002	6	0.350464	1.63962	2.55002	-1.37283	0.964691
-2.97964	0.475372	2002	7	-0.40567	-0.9372	4.72217	0.283081	-0.76331
-2.02948	-0.63641	2002	8	-1.02039	-1.66901	2.71234	-2.05133	-2.37473
-2.05807	0.39032	2002	9	1.80762	2.11505	2.81046	-3.0997	1.27017
-0.25659	2.0874	2002	10	3.9454	2.11444	-0.25061	0.100494	0.346466
-2.99564	0.72879	2002	11	0.582581	-1.16107	-0.5285	-3.75052	2.15262
1.69958	1.44373	2002	12	1.47986	-0.20108	-5.37256	0.221283	2.72275
1.84744	5.57092	2003	1	-0.06396	1.98962	-1.47186	0.741333	-0.13666
-2.95593	6.44211	2003	2	-0.42432	0.827148	-5.26901	1.34808	2.99551
0.356354	5.5968	2003	3	0.444763	0.891785	-6.25534	-1.51978	2.19443
1.6937	2.21173	2003	4	-0.4408	3.1817	-0.58228	0.744324	2.78204
-0.68329	1.26077	2003	5	1.89282	-0.13098	-1.68423	2.12262	2.66074
-0.71564	1.11234	2003	6	0.347992	-0.49689	-0.79807	-0.82306	2.8208
4.33963	0.567474	2003	7	0.340454	2.23651	-1.27722	1.85748	0.077393
9.03E-03	2.17209	2003	8	0.948914	3.63278	0.277344	1.03497	2.36249
2.00702	1.69504	2003	9	0.394409	-1.80966	-1.80774	-2.2197	-0.50763

-2.02539	0.644196	2003	10	1.4682	2.14404	-0.164	-1.1954	-0.25043
-0.23654	2.87466	2003	11	-0.13202	-1.80725	-3.21118	2.33188	0.055237
-0.13452	7.04214	2003	12	4.38248	2.22742	0.122162	-4.29044	-1.95544
0.121124	9.73151	2004	1	1.42133	-0.49368	2.09653	-0.02795	-2.73657
-2.38373	5.06772	2004	2	-0.11594	3.75345	2.51529	-0.4382	-1.30301
-2.49677	4.09061	2004	3	0.426636	4.2319	0.062256	1.36523	-0.12958
0.412506	1.10425	2004	4	0.953796	3.60632	-1.3432	1.92725	-0.20395
-3.78638	-2.42E-02	2004	5	3.18451	-0.61249	-0.24735	0.082733	-1.32559
-0.53302	1.34534	2004	6	-0.48462	-1.27979	0.404938	-2.38065	-0.04138
-8.22E-02	1.29697	2004	7	0.053131	0.46283	-1.10193	0.579376	-1.11981
-1.25928	1.66901	2004	8	1.01422	0.586304	-2.72934	3.84308	-2.57043
0.938019	1.92664	2004	9	-2.14249	1.34744	-2.50424	-1.16779	1.03717
-2.61801	3.78818	2004	10	-0.37662	1.33005	1.04669	0.218781	-1.05585
-0.55872	-4.84351	2004	11	-0.04294	-0.25366	2.7966	2.37	2.36993
2.44138	3.36194	2004	12	-1.71994	-0.8143	-1.48834	2.96799	1.49005
-1.69186	-3.07407	2005	1	1.66882	-0.4046	-1.63977	-0.89816	0.169647
0.65448	1.25821	2005	2	-0.79962	0.594635	1.75507	4.11719	0.489807
0.977234	-0.91138	2005	3	-0.29074	-0.94351	2.11646	-1.25565	-2.0871
-1.0802	1.30185	2005	4	-1.0972	-0.23309	2.84232	-0.13635	0.19516
-4.08038	2.75168	2005	5	0.418304	1.23492	1.68057	0.380524	2.09811
-0.33902	2.51541	2005	6	0.638275	-0.1676	1.15292	0.875244	2.4006
-1.38766	1.56769	2005	7	-0.68396	0.468903	0.855774	0.630981	1.422
0.138123	6.06E-02	2005	8	-1.92249	0.901489	0.954834	0.85318	1.32889
0.403137	1.09534	2005	9	-0.16208	1.45364	-0.72687	1.43509	4.04858
-0.53189	2.8277	2005	10	-0.03992	-2.91595	1.93719	0.983185	1.19055
-2.11893	2.00E-02	2005	11	1.58939	0.777557	1.24469	-2.91541	-1.66797
4.21698	3.42313	2005	12	-1.76874	2.71182	0.067352	-0.99301	-5.55435
2.18802	5.35193	2006	1	-3.62198	2.95462	-0.30875	-4.04034	-6.49066
0.714478	3.1665	2006	2	-3.20602	-1.82196	2.90887	-6.073	2.91949
1.70596	6.06262	2006	3	-3.01315	-1.4624	-0.18283	-0.01566	0.229401
0.606506	-2.07367	2006	4	0.37851	-0.03778	0.700897	-0.34427	1.99994
-0.62369	2.2341	2006	5	0.670197	1.51321	-0.57465	-0.59848	1.12051
-0.26703	2.71512	2006	6	2.58029	1.89771	0.695618	1.12686	1.6011
2.12366	0.853363	2006	7	1.22174	0.76593	0.517975	0.737274	3.44849
-1.87518	-0.10709	2006	8	2.29623	3.3392	0.59964	1.27499	3.33658
-1.59756	4.33194	2006	9	3.72852	2.29236	2.84274	3.6113	2.3205
-1.57849	1.67499	2006	10	2.8107	1.46875	2.55069	-0.7756	0.391174
-0.75754	0.772369	2006	11	1.30646	-2.05667	-2.10071	0.4104	2.95374
2.18417	-2.47397	2006	12	1.18228	0.656525	0.235962	2.54218	1.35666
-2.23135	9.41E-02	2007	1	2.66083	0.843323	-0.04895	-3.52316	0.249146
4.67126	-5.60257	2007	2	-0.97434	-3.04837	4.24438	-1.06442	-1.13519
0.407562	-1.70798	2007	3	0.778534	-0.79791	-3.02554	-0.09555	-1.11508
-0.1199	0.535431	2007	4	1.65372	0.177429	-0.9519	0.383026	0.132965
-2.89301	-2.72211	2007	5	0.854095	1.44321	0.823364	-3.43958	0.337311
0.684479	0.210938	2007	6	-0.03592	-0.4379	-0.59546	-0.70456	2.17331
1.05234	-2.25961	2007	7	1.62903	-0.79028	-1.31384	0.337891	-0.1734
-0.99188	-3.20679	2007	8	2.49313	-0.2872	1.51126	-2.9566	1.13107

-0.79709	-0.19669	2007	9	0.140533	0.934937	-1.78326	-1.18121	1.64249
-0.1091	-1.86942	2007	10	0.085785	-1.55255	-2.76801	1.92859	-0.13455
-1.70853	-2.73141	2007	11	0.666656	1.08655	0.44339	3.87338	-1.45987
2.57956	-1.10306	2007	12	0.893768	0.4776	-2.00577	2.08908	3.36255
4.83743	-4.86389	2008	1	-2.45978	-1.90329	1.36935	5.42404	-1.80807
0.318573	4.21841	2008	2	-0.72952	-0.25247	0.021576	3.4126	1.48019
0.401642	5.03552	2008	3	-1.73514	1.0455	-0.53003	6.53152	1.96552
9.30E-02	-1.33206	2008	4	-0.76038	-2.33328	-0.48999	4.11444	2.15524
0.321899	0.458282	2008	5	0.945618	1.36481	0.116455	1.90262	-0.30386
-0.79562	-2.54047	2008	6	-2.66992	-0.28879	0.464722	4.09766	-2.4809
0.602631	-3.26971	2008	7	2.61804	2.94672	-0.43692	1.30847	-0.6828
9.43E-03	-2.06879	2008	8	-0.84998	2.50208	-0.88074	2.30539	-1.42331
0.431732	-2.24E-02	2008	9	3.85092	-0.78937	-0.91824	1.10159	-0.53082
-0.70792	0.626587	2008	10	-1.19492	-1.41434	-1.10849	-1.02893	-1.89044
0.222382	-4.50772	2008	11	-0.45233	0.787628	0.620514	1.2193	1.07764
2.03238	1.97345	2008	12	1.81128	2.07321	3.04495	5.78308	0.343353
-7.51E-02	-3.25E-02	2009	1	2.89233	1.78101	0.728638	-0.00037	1.24182
-1.08362	-2.82889	2009	2	0.482666	0.484924	0.666565	10.0232	0.028809
-2.92194	0.270599	2009	3	3.84854	-2.61581	1.29715	2.95312	-0.17279
-0.10428	1.16125	2009	4	-1.62869	-1.07108	-0.55869	-1.24887	0.65744
0.216919	-1.96411	2009	5	-2.1438	2.1452	2.02197	0.686646	-0.08578
-1.10403	-1.63406	2009	6	1.61258	-0.33698	0.958832	-1.87103	0.814392
1.30945	-0.22113	2009	7	-0.11096	-0.92688	0.130371	1.62466	1.543
-0.90848	-0.6196	2009	8	2.28821	2.84598	0.579346	-1.85483	1.74988
1.26651	-0.90237	2009	9	-0.47519	-0.85846	-0.77756	1.75589	0.136993
1.40891	1.66568	2009	10	-1.0383	-1.04654	-2.72171	-0.76602	2.90335
-4.40604	1.13809	2009	11	-0.77722	-2.57666	1.84561	-2.26071	1.65604
1.46558	0.301331	2009	12	4.53296	0.526398	1.55145	2.43439	3.17737
1.37442	6.8782	2010	1	4.88492	2.9877	0.96994	3.76166	-4.48837
-2.63443	-2.0817	2010	2	2.92789	-1.65137	-0.00171	-0.71542	0.534515
-2.52945	-2.4393	2010	3	-3.81354	-1.08051	2.02997	0.63205	1.24902
-2.40509	-2.17587	2010	4	-0.56308	1.03381	1.3938	1.53665	0.615143
-1.69089	-0.31461	2010	5	-0.29269	-1.09778	1.69427	4.27383	-2.81677
-1.12534	-8.50E-02	2010	6	0.601776	-0.10358	1.91983	4.23035	-1.55539
-0.38675	-0.41434	2010	7	0.646637	0.868408	1.08026	-0.09723	-2.42322
1.00281	-1.79791	2010	8	1.19531	4.0777	2.65173	4.01489	-0.55463
-6.95E-02	-2.16296	2010	9	2.00543	0.762756	0.445038	5.14651	-3.32721
-1.2847	-2.45972	2010	10	-0.11762	2.21625	1.83389	0.039795	-1.35922
2.91827	2.72748	2010	11	0.753082	1.24866	1.10172	1.2883	0.525421
-7.17E-02	0.144653	2010	12	-3.32364	-0.29849	1.64163	0.901978	2.52615
-5.62338	4.19531	2011	1	0.98642	0.46991	0.729736	-1.32297	-1.84167
-2.25443	6.3399	2011	2	-2.25851	3.06113	-5.96793	-6.39801	0.447113
0.758057	0.969116	2011	3	1.61636	0.856995	2.90115	0.924347	0.704712
-1.47348	0.684753	2011	4	-1.2399	-2.3389	1.70493	1.96124	-1.28604
-1.33588	-0.7829	2011	5	0.786621	-1.20148	-0.71033	-0.61118	1.00873
-0.96674	-1.89227	2011	6	-0.59683	-0.51248	0.074921	2.26785	1.79831
-2.75867	-3.30853	2011	7	-0.25797	-2.0806	0.330566	0.395172	2.0484

-1.73898	-3.53079	2011	8	-2.74539	-0.93832	2.04306	-2.12241	0.279785
-0.49359	-0.65738	2011	9	0.811829	0.794647	1.34036	-3.0376	0.682983
-0.85629	2.4978	2011	10	1.3786	1.05435	3.00769	-2.7691	0.224365
0.345673	-0.80463	2011	11	0.099365	-1.00735	-0.73789	0.367188	0.569122
0.821564	1.72894	2011	12	0.636871	2.11612	5.74185	-0.58453	-1.53625
-3.17868	6.54312	2012	1	-3.20267	1.20712	-3.72885	-1.74646	-0.28647
-4.03131	3.65271	2012	2	0.240265	5.06354	0.989685	4.7348	-2.1434
-0.32306	5.28931	2012	3	-0.94504	0.071594	-3.24142	2.20004	-0.7833
-4.17178	0.446533	2012	4	-0.13248	2.09512	1.41342	-1.41586	0.631958
-3.6127	3.04388	2012	5	-0.36069	-0.15729	-1.70493	3.67023	-1.14398
-1.98453	-1.51349	2012	6	1.57059	2.13501	-1.95038	-0.75815	-1.16211
-1.36057	4.51E-02	2012	7	0.063751	1.80792	-0.73773	-0.78732	-0.70532
-3.48407	-0.3732	2012	8	1.00583	2.3476	-0.70886	1.55139	-0.15314
-2.33E-02	-0.34937	2012	9	1.69211	0.47934	0.849854	1.25229	-2.38773
-2.44131	-0.94492	2012	10	0.507599	3.02786	-0.4989	0.865692	0.170349
-1.64453	0.365265	2012	11	3.32297	3.41956	0.674103	1.92218	2.45084
0.937164	-0.35147	2012	12	0.368774	-2.45029	-0.79794	-0.85852	2.24167
0.543121	0.52182	2013	1	2.41122	0.583008	-0.43097	-1.74554	2.39822
-3.41403	-3.88507	2013	2	-2.19522	-1.62756	-5.18451	3.62219	2.36551
3.24915	1.0799	2013	3	0.14505	-1.69592	2.69208	-1.54047	-1.0748
-0.48319	1.55295	2013	4	1.24841	-2.19937	3.15591	1.12903	1.06726
-2.56339	-1.27881	2013	5	1.69342	-1.65878	0.74527	-1.31836	2.45291
-1.77042	1.61981	2013	6	3.43799	-2.78668	0.762329	2.11624	-1.39709
-1.60617	-0.48453	2013	7	3.44055	-0.38428	2.08936	-0.47812	-0.1716
0.299316	-2.06119	2013	8	1.83704	-1.48001	2.22314	-0.01862	1.71176
-1.13599	-0.81287	2013	9	-0.35748	-0.28006	3.19165	-0.01361	-1.50043
0.283508	-1.646	2013	10	1.44739	0.019562	2.9931	0.227173	0.511078
-2.72842	3.62607	2013	11	-2.57974	2.78934	2.42929	1.03137	0.292419
-4.90982	2.74863	2013	12	0.221985	-0.9343	2.30826	1.28839	1.44077
-1.99017	2.94232	2014	1	-1.43268	-3.26868	2.54163	0.261841	1.03732
-1.66843	-0.97769	2014	2	0.322174	-1.84238	-1.08701	1.15518	4.6748
1.71594	1.45801	2014	3	0.007355	0.094788	2.05096	1.92584	1.8107
-1.1861	0.801147	2014	4	2.29901	-1.5275	2.6369	1.74744	0.776642
0.91391	-1.34192	2014	5	2.09332	0.454407	0.746368	-1.43286	0.714325
1.87927	-1.37729	2014	6	-0.30603	3.478	1.50952	-0.91785	-0.46658
-0.96906	-1.14233	2014	7	1.72446	0.441315	2.87848	0.127991	0.949371
-0.76196	0.401001	2014	8	0.915527	-0.93402	2.68805	-0.21323	0.830688
-1.83517	-2.32986	2014	9	1.73141	3.88934	1.11465	-0.22971	0.483978
-0.95331	-2.14999	2014	10	2.5603	-0.12756	2.4454	-1.11511	0.605377
-0.23712	7.81E-02	2014	11	-0.29044	2.70053	1.26801	-1.39172	0.232635
2.15036	1.66125	2014	12	-0.31912	0.561523	2.67014	3.11337	0.727753
0.87384	2.63443	2015	1	0.43573	-0.83389	5.62125	-0.84595	3.09943
1.82846	-4.0459	2015	2	-3.40723	4.87195	-2.22681	0.679382	1.56039
4.77905	3.5694	2015	3	-3.12286	0.220093	-1.75354	3.19485	0.105103
1.49512	-8.54E-02	2015	4	3.95932	1.37311	1.19522	-1.91956	-2.12103
-1.8732	-0.39133	2015	5	0.224701	1.16953	2.74615	-0.20728	0.467712
3.19879	-0.48718	2015	6	0.000763	0.257111	2.97452	1.32535	1.86401

1.16254	1.07999	2015	7	2.30634	2.21432	2.97687	1.94217	1.48129
-1.27097	1.67261	2015	8	0.599609	1.10709	1.49963	1.142	0.727264
-1.50217	-3.09E-02	2015	9	3.03732	1.88666	2.82224	-3.94128	-1.5957
5.76E-02	1.08881	2015	10	2.91681	-2.20956	2.98169	-3.45621	0.141968
2.85947	1.24057	2015	11	1.56186	-0.22977	1.7778	2.36447	1.38992
1.28766	3.29605	2015	12	-1.42334	1.64151	0.17804	0.553467	2.11865
-1.45117	1.42523	2016	1	2.44702	0.484009	6.95325	-0.05646	0.705627
2.99869	3.80E-02	2016	2	0.252167	4.27142	0.669495	0.210999	-5.57599
3.12814	1.65332	2016	3	0.649353	0.993591	1.42407	-1.50165	-1.86569
-0.39868	1.08755	2016	4	2.20001	3.89383	-0.92029	-3.16046	0.970245
0.534821	4.9079	2016	5	2.6933	3.0535	-1.11954	-3.51688	-0.26196
0.370392	2.21112	2016	6	0.411163	1.7699	0.40744	-0.00305	-1.25409
-0.58237	2.47388	2016	7	1.70865	0.6875	1.38235	0.603363	-0.60632
1.60721	0.823303	2016	8	1.47751	-1.6991	0.746735	2.27258	1.16766
-0.16797	1.54172	2016	9	3.07123	3.03363	-0.78656	-2.3063	-0.11432
0.376709	-0.6282	2016	10	0.48349	1.79874	1.6366	-2.1777	-0.42923
0.994263	-5.30182	2016	11	-1.50833	3.34964	-1.05051	2.13809	-0.53488
1.56296	-2.18085	2016	12	0.118683	-1.48639	3.92484	6.96567	-4.41504
3.39124	-7.59158	2017	1	-2.76187	1.4361	2.02173	-1.93106	0.905823
2.06326	-0.6839	2017	2	-1.49524	2.97293	3.38187	5.22418	-0.64151
0.524963	5.6976	2017	3	-0.50894	-2.44211	-1.37595	3.71664	0.155823
-0.53268	1.34723	2017	4	0.785919	3.20621	1.36823	1.47083	-0.68475
-6.63E-02	-0.24521	2017	5	-1.74319	2.51172	2.18567	-3.59958	-1.74399
-2.88681	1.38382	2017	6	1.24908	-0.7601	0.418945	1.96387	0.155518
-2.36887	0.605377	2017	7	1.91245	1.37003	0.184265	1.10739	0.963074
-2.00348	-0.18411	2017	8	0.255219	2.14908	1.34726	0.373383	-0.65933
1.80783	-0.72577	2017	9	1.22363	-0.63367	1.23535	1.3819	1.96149
-0.64362	0.451904	2017	10	2.3938	1.04544	1.53601	0.789795	-0.27875
0.480469	-4.34E-02	2017	11	-0.02924	0.932251	3.53561	1.02478	-1.70065
-1.53964	-0.71707	2017	12	0.993561	0.574219	-2.88055	5.22159	-1.30646
-2.18338	5.69312	2018	1	0.107422	-0.93109	7.35052	0.546753	-0.03726
2.27878	4.80063	2018	2	2.30206	1.62885	2.30048	0.370697	0.154907
1.07205	4.72952	2018	3	-1.01984	2.42719	-0.37253	-1.86627	-0.7952
-3.03738	-4.11105	2018	4	2.34372	1.54431	-0.12128	0.708344	0.455566
0.554596	-2.3696	2018	5	2.32382	-0.06458	-1.26764	4.19824	-0.92407
-1.03781	0.615509	2018	6	-0.03763	2.99371	0.871246	4.33905	0.276398
-2.28366	-3.42691	2018	7	0.044128	4.48672	0.269562	-3.50653	1.8797
-0.42349	-1.6788	2018	8	-0.16977	-1.3208	0.522034	3.42419	0.966888
0.716522	0.99231	2018	9	5.47482	1.60974	0.749146	3.80981	0.52478
2.05231	-0.77652	2018	10	3.5668	3.78064	2.5451	-0.56641	3.42856
0.563782	-0.77432	2018	11	0.777985	0.117554	1.94519	0.014191	0.030426
0.128479	-1.31454	2018	12	-2.84772	2.03052	-0.40045	-3.02094	-0.09314
3.07993	-2.52597	2019	1	-0.00128	3.43472	4.98035	3.14185	2.78503
0.430664	2.86731	2019	2	0.565979	1.84204	4.39737	0.986694	0.496216
-0.60675	-7.02E-04	2019	3	-0.59064	4.56989	1.16287	-0.21277	0.743225
1.22192	-1.44907	2019	4	0.450195	0.802307	0.701508	3.02713	0.326569
-2.33679	-2.10931	2019	5	-2.17798	-2.28079	0.399353	2.25394	1.00623

1.78958	0.73291	2019	6	-2.39621	3.10562	-0.16937	1.13696	-0.91269
1.33475	1.13187	2019	7	-1.24637	2.89713	0.20166	-1.50281	3.60669
3.28732	1.61581	2019	8	0.531616	1.5968	0.048035	1.711	1.22589
2.03082	-1.69028	2019	9	-2.70688	2.22894	0.231537	-0.17761	-0.27103
-3.8082	0.733704	2019	10	0.279785	1.63605	2.27551	5.34769	0.083862
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1.73621	0.767853	2020	4	-1.69479	-0.43619	3.02792	2.50644	0.423767
3.02142	-1.8963	2020	5	1.62421	1.65042	2.33096	4.27673	0.477631
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-2.22876	-2.22876	1.92563	3.20972	0.162903	-3.3204	-0.11887	-1.77203	-0.07318	0.505219
-1.97998	-1.97998	-1.478	-4.84738	1.55377	-0.27466	-0.40466	-0.65753	-1.5545	-1.34698
-2.48245	-2.48245	-3.16248	-3.87155	-0.96826	-1.67038	-1.36398	0.218231	0.380585	0.493439
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-2.24283	-2.24283	-3.23404	-0.30771	-0.10059	1.68909	-2.26868	0.843048	1.09561	-0.98633
-2.40945	-2.40945	-1.36472	-0.29236	0.216492	1.22678	-1.07181	-0.33264	-3.03195	-0.41614
-0.46405	-0.46405	-1.58582	-0.26733	-2.68915	0.266205	-0.94519	-2.43906	-2.45575	-0.22931
0.687317	0.687317	-3.48886	-1.01166	-1.23828	-1.89984	-1.36697	-1.30832	-2.74219	-2.63831
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-1.70575	-1.70575	-5.45837	-1.49921	-1.44528	2.19357	-0.71838	-3.68707	-1.17355	1.14206
-3.16046	-3.16046	-3.33789	-1.75299	0.771179	0.381683	1.14774	-4.10684	-1.86288	0.425201
-1.1889	-1.1889	-0.04471	-3.3569	-0.11054	-2.29617	-1.19547	-1.25833	-0.53308	2.99283
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-1.53156	-1.53156	1.55212	1.92648	-4.47827	-2.48462	-0.69827	-3.46509	-2.71265	-1.18594
-1.02985	-1.02985	-0.80679	-0.35336	-3.2793	2.8685	1.36472	0.704651	-1.95767	2.2113
-4.87369	-4.87369	-1.38641	-2.94858	-1.73444	-1.60257	-1.21326	-0.23752	-0.0752	-2.22098
-1.98947	-1.98947	-3.04047	-2.98654	0.129333	-1.81448	-2.0925	1.18213	-0.39029	-1.70218
-2.67511	-2.67511	-1.17911	-2.76227	-1.36227	-3.59741	-0.53903	2.69418	-2.28702	-1.1622
-4.72412	-4.72412	-0.57153	-3.39435	-2.41583	-0.40668	-2.16364	3.84552	-1.06509	-2.04865
-1.80823	-1.80823	-4.22736	1.2226	-0.84241	0.776794	-0.01166	-0.27264	-0.85898	-0.82605
-0.30957	-0.30957	-2.22873	0.110046	-1.45493	-3.3678	0.509399	1.20306	-4.63147	-1.02094
0.094757	0.094757	0.957001	-2.17783	-0.73822	-0.81702	1.0936	-1.82764	4.16714	-0.33749
-0.71289	-0.71289	3.48373	-4.88547	-1.10269	-6.78955	-1.43256	4.90179	1.01019	-4.47751
-4.94061	-4.94061	-1.81372	-2.95309	-1.53995	-12.1183	-2.94336	5.85452	-1.44998	-5.37689
-1.86337	-1.86337	5.01254	-1.78616	-2.96616	-4.30402	0.552002	8.79538	1.55942	-1.58987
-1.39365	-1.39365	0.517517	-1.27103	-1.71838	-2.34433	-2.56287	1.81631	-3.15506	-2.88083
0.517731	0.517731	-3.70837	-1.79779	2.24069	-2.65601	-1.64987	1.28995	-2.50586	-1.7402

0.19989	0.19989	-2.89432	0.332214	-0.93753	-0.74307	1.14325	2.04648	-1.0806	-0.65707
0.405548	0.405548	-1.16617	-2.40607	0.573853	-2.4072	-1.16141	1.47552	-0.19971	-2.61136
0.156799	0.156799	-0.85422	-1.02197	-1.62579	-2.49249	-2.07013	1.89908	-1.63663	-1.595
-1.11053	-1.11053	-3.42224	-0.20035	-0.48233	-2.35599	0.606567	1.17462	-0.48859	-0.67743
-0.40494	-0.40494	-3.60403	-0.68781	1.54959	-0.87131	-1.81598	2.35266	-2.44406	-2.14154
0.532257	0.532257	-1.46661	-1.21207	1.46179	-0.42972	-1.36551	0.35675	0.320129	1.00989
2.98895	2.98895	1.27701	-1.37143	-1.15533	0.367004	0.818207	-2.82495	2.47974	-3.32001
-0.82578	-0.82578	-1.71747	-3.05215	-0.31198	-0.41794	-1.83185	-1.2897	-0.0871	-1.43051
1.54578	1.54578	4.18826	-3.6261	-5.49664	8.10559	0.561829	-0.13327	2.29572	1.2493
-3.57968	-3.57968	-1.14453	-0.41419	-4.83655	0.556	1.651	0.56485	-5.87708	-4.22318
0.564636	0.564636	0.690521	0.458588	-3.90118	4.78967	-0.16296	-3.27298	-3.30566	-6.60886
0.092651	0.092651	0.302521	-2.04349	-2.7309	2.23828	0.568726	-0.30573	-0.41446	-1.01529
-3.08908	-3.08908	-2.06281	-0.80008	-0.58533	-0.11377	-2.48584	0.674377	-2.92279	-1.43637
-2.18167	-2.18167	-1.68036	-1.70386	-0.28745	-1.32999	0.867798	0.493835	-1.23279	-0.25897
-0.82022	-0.82022	0.605896	-3.44217	-0.5947	-1.38672	0.550568	0.188568	-2.42072	-2.86218
-2.11893	-2.11893	0.136444	-0.77847	-4.76022	-1.73846	-0.22403	1.45612	-1.89908	-1.30493
-1.90863	-1.90863	-3.23953	-2.02521	-4.2518	-2.17361	-0.39096	0.554352	-0.25018	-2.08585
-0.77264	-0.77264	-0.53021	0.025055	-0.78201	1.23898	-3.22311	2.82764	1.20242	0.042175
-1.80954	-1.80954	-4.41602	-0.33862	-0.36072	2.2309	0.535706	4.63907	-1.60004	-0.31009
1.22083	1.22083	0.20343	-4.08615	-2.86008	-2.87256	1.32355	-1.10303	-3.55038	0.017487
4.87057	4.87057	-2.21094	-7.4216	-2.18625	2.81589	2.95004	-0.71899	1.93762	0.371307
1.35242	1.35242	-10.9008	-6.75598	-3.15204	0.21521	-1.40668	-0.74072	-0.79349	0.889923
-3.41815	-3.41815	-7.17938	-1.90863	-1.241	1.28528	-3.13177	1.01312	-0.39206	-10.1748
-2.15787	-2.15787	-3.19879	-0.94656	-1.44531	1.99789	-1.07886	-0.23923	-2.27347	-1.9491
-0.6499	-0.6499	-0.80731	-1.86798	0.08017	-0.72455	-0.36176	-1.00662	1.88879	0.731415
-0.77905	-0.77905	-1.52917	-1.45715	-1.53467	-0.45819	-0.6391	-0.11469	0.414703	-2.94656
-2.5892	-2.5892	-2.61661	-0.73148	-1.56287	-0.6243	-1.81006	-1.82904	-0.72083	-2.6796
-2.43292	-2.43292	0.024262	-1.45007	-1.60272	-0.13226	-1.54102	1.6658	-0.1214	-2.11725
0.441284	0.441284	0.753754	-2.45901	2.48801	0.821777	-1.16995	-0.77484	-1.98587	-2.05725
-1.76337	-1.76337	-2.87372	-3.15005	-3.42761	-3.19632	0.852783	-1.34784	-1.48636	-1.69452
0.535156	0.535156	-0.05209	-2.93951	-4.24182	-0.10822	-0.66449	1.22165	-2.97256	-0.70789
0.774628	0.774628	-0.94858	-0.80075	-0.36017	4.00995	-6.88025	-1.39102	-4.19611	1.15759
0.380676	0.380676	-1.31631	2.55438	0.810364	3.15158	2.34482	0.164734	-0.3587	3.10672
0.917511	0.917511	6.83194	3.81793	-2.00214	-2.0957	2.0152	1.55835	2.76694	6.04224
4.85825	4.85825	2.67111	-3.34122	-0.40378	-0.79053	-2.02927	-1.94238	0.272736	4.07855
-2.08026	-2.08026	0.823029	-0.56369	1.85608	-1.39432	-1.57938	-3.20563	-1.20276	0.679413
-1.20139	-1.20139	-0.92041	0.405914	0.267456	-2.12445	-0.86224	-1.14993	-1.59879	0.881104
0.378143	0.378143	2.83652	1.84766	-2.15564	-2.0871	-0.8194	-1.33398	-0.2883	2.39484
-0.86731	-0.86731	0.40979	-0.71347	-2.94019	-2.36792	-1.42233	-2.50684	-2.44733	0.435303
-2.07004	-2.07004	-0.16653	-4.77017	-0.91583	0.548218	-0.80722	-1.52118	-1.8475	-1.28714
-1.57333	-1.57333	3.50476	-2.1933	-1.36829	-1.1152	-0.63986	-1.08603	-0.93149	-2.96344
-0.58255	-0.58255	0.642365	-2.33435	-1.01102	-2.0603	1.91629	-0.19794	-1.13538	-1.09943
2.11426	2.11426	2.00479	-2.70593	-3.66803	-3.25699	-1.1828	-2.37683	-0.61404	1.96411
-3.19788	-3.19788	-0.41867	2.41623	-0.22827	-5.69986	1.61414	-1.74503	1.67191	2.04269
-1.10812	-1.10812	3.00067	-2.74649	-0.60126	-4.2951	-0.09137	-1.54337	4.2049	-3.57898
2.9559	2.9559	-2.59985	-1.11298	-0.95413	-2.76791	1.80771	-5.20413	-4.90408	0.450714
1.91513	1.91513	-3.44229	0.030365	-5.8808	0.291382	-1.19098	3.59973	0.002747	0.984863

3.76373	3.76373	1.44391	-0.61487	-1.9892	-1.10373	0.431335	-1.05124	3.46814	-1.7327
-1.04071	-1.04071	-1.39911	-0.5195	-1.91702	-1.15887	-2.35635	-2.54544	-0.05069	0.328705
0.108826	0.108826	-0.13287	-1.22586	-2.42935	1.28223	-0.3371	-0.41077	-1.1813	1.43182
0.066803	0.066803	-1.68732	-0.85437	0.091919	-2.06381	-1.72433	-1.08072	-2.36844	-2.11261
-0.99374	-0.99374	-0.83084	-1.61005	-0.38641	-2.24179	0.38559	-2.30438	-1.51709	-0.99863
2.85968	2.85968	-0.73383	0.312775	-1.23679	-0.91602	0.039642	-0.90973	0.16214	-3.31265
-1.90207	-1.90207	-2.78271	-2.39557	-2.92413	0.135284	-0.55231	-2.27725	0.033325	-1.84433
-0.90424	-0.90424	-2.90161	0.324158	-0.24033	-0.1228	-2.04871	1.21555	0.833038	-2.51071
-1.33948	-1.33948	-4.44586	0.836243	-0.42337	1.89996	-1.27356	0.223877	4.06369	-0.63001
-2.4917	-2.4917	1.95108	1.21298	1.06226	6.68939	0.347931	-2.37466	0.717621	-1.0994
-4.97928	-4.97928	-3.63644	-6.38907	-0.97034	0.945984	4.82501	2.02856	-2.74716	-1.74127
1.31534	1.31534	1.19922	0.031067	3.66623	-3.41321	-1.40295	-0.99088	-1.34058	1.21194
1.05554	1.05554	-0.8147	-0.35779	-1.76791	-2.13052	-1.25748	1.16306	2.26312	1.289
-0.6492	-0.6492	-1.63232	0.641724	-1.59793	0.197723	1.09985	0.443756	-0.79691	1.7713
1.49353	1.49353	-1.14188	0.222839	-4.24796	-1.82358	-2.14569	0.743042	0.738983	-0.56638
1.49429	1.49429	-0.97263	-0.18008	-1.56168	-2.30209	-2.55963	-1.05453	-0.59653	1.63519
0.471466	0.471466	-2.87354	3.28195	0.755768	-2.11417	-1.07932	-2.28238	-1.00629	0.035553
-2.29153	-2.29153	-2.50845	0.605072	-1.11859	-4.30991	1.81024	-4.49203	-0.63696	1.59747
-2.41727	-2.41727	0.172882	-0.00507	-0.88763	-3.6387	0.513306	0.56485	-1.12347	0.676086
-1.38864	-1.38864	0.277893	0.327362	-1.91583	-3.82089	-0.0311	-1.33066	-0.88364	-4.60559
-2.83469	-2.83469	-1.06036	0.526947	-1.54788	0.24115	-3.66016	-1.34833	-3.05829	0.28009
0.352478	0.352478	-5.01352	-2.22021	-1.66595	-3.62271	-3.28186	-4.29758	-0.42868	-4.2757
-2.6145	-2.6145	-2.84915	1.48093	2.11197	-2.26031	1.1268	-0.69363	-0.06778	-1.96127
3.04694	3.04694	0.572906	-2.56183	-3.64337	0.131775	-3.56406	1.38913	1.90414	1.85266
-1.08936	-1.08936	-2.16449	-3.68826	-0.33499	-0.59882	0.167816	-1.40323	-1.01477	0.21051
-2.0863	-2.0863	-1.0769	-1.48248	-3.01373	-3.80927	0.455353	1.62787	0.067719	-0.07797
-1.08475	-1.08475	-0.19028	-0.49686	-0.72546	-0.94089	-2.09689	-0.09067	-1.56119	0.359528
-2.8653	-2.8653	-1.54962	-1.93286	-3.04968	-1.2905	-1.00183	-0.35944	-0.54404	0.143188
-1.47385	-1.47385	-2.13943	-2.85306	-0.99731	-1.36108	-1.32932	0.43512	2.6828	0.430145
-0.12402	-0.12402	-2.13925	-0.599	0.010986	-1.4097	-0.12335	-0.89786	0.167633	0.620056
-0.14426	-0.14426	-1.04242	-0.56287	-1.35153	0.504089	0.190491	-1.64413	1.88812	-3.36621
-2.99063	-2.99063	-0.48401	-0.59213	-1.55444	-4.89191	0.61441	-4.30975	-2.04306	-2.4975
2.25281	2.25281	-0.78006	-0.17886	-4.08157	0.358063	-2.58987	2.1651	-2.52881	-0.9509
-5.51562	-5.51562	2.83807	1.15341	-2.17755	-2.5173	-5.23569	3.23062	3.81842	2.62552
-6.38177	-6.38177	-2.82535	1.75522	2.20184	-2.64569	-3.1665	2.34637	3.30603	-3.15176
-1.79996	-1.79996	-0.4736	-1.59311	-1.41409	1.32648	-1.31647	1.60541	-2.09106	-4.99094
-4.04398	-4.04398	1.70251	-0.21606	-1.58929	-2.52032	-0.12506	-2.70795	0.466919	-2.81259
-0.50479	-0.50479	0.21228	-1.01688	-1.99643	-0.89566	0.705353	-0.29224	-0.68408	-2.10458
-1.52927	-1.52927	-3.04727	-0.71234	-2.69504	0.272217	-0.93298	-0.27826	-1.1907	-1.05008
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-1.58813	-1.58813	-2.48013	-4.49863	-2.32391	-2.96591	-2.40686	1.31805	-0.47186	0.451172
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-8.0116	-8.0116	0.265625	-0.46356	-2.25269	-3.42017	-0.11997	2.69168	1.1348	-5.51581
-2.97202	-2.97202	3.24548	-2.0636	-3.39804	-2.06931	1.75714	1.41513	3.3721	-3.11908
-1.88358	-1.88358	-1.61966	0.520935	-10.7299	1.81979	0.449707	2.31647	-0.06088	-8.26859

-3.65094	-3.65094	-1.32468	-4.47382	-8.21948	3.41959	-2.07428	0.01532	-3.09537	-3.51175
-0.50076	-0.50076	-2.78088	1.91544	-3.71741	-0.89142	-3.83176	2.66837	-1.53946	-1.29221
-1.09369	-1.09369	-0.43411	1.64792	-1.79773	0.002625	-0.66995	2.64096	-0.72958	-0.18478
-4.18146	-4.18146	-0.88797	2.22174	-1.20154	-1.60568	-1.88049	1.94492	-0.3858	-1.08865
-3.8992	-3.8992	0.160278	0.846436	-5.11209	-2.27161	-0.91513	0.943359	-2.34964	-2.00861
-1.72894	-1.72894	-0.83505	-1.74637	-4.05472	-0.54578	-0.89172	1.6568	-0.7468	-2.04816
-3.63394	-3.63394	-0.75314	1.6489	-2.70441	-1.36322	-0.41336	1.60126	-0.09158	-1.01144
-3.12256	-3.12256	2.14767	-0.57086	-1.02493	-2.0372	-0.87	2.53665	-0.12787	-0.14923
-1.10605	-1.10605	-1.36761	-2.97522	-1.22964	-3.67252	-1.19571	-1.32794	1.26556	-0.78061
1.45142	1.45142	-1.84167	1.33875	-1.91428	-5.10165	-0.95245	-3.28992	0.541199	0.099396
-2.41702	-2.41702	1.31757	2.82858	-2.40393	2.75388	1.18094	0.859924	-1.18658	2.9487
-1.9335	-1.9335	3.45874	0.800629	-7.64874	0.370911	-3.62979	0.593567	3.88513	-2.35397
-3.14655	-3.14655	-0.69489	0.470673	-3.13397	2.01648	1.98914	0.272003	3.81982	1.28287
-4.36646	-4.36646	1.9324	-0.71549	-3.03772	1.8718	1.43372	-2.39523	0.599243	-0.22611
-1.39331	-1.39331	2.0585	0.574005	0.351166	0.379639	-0.44046	-0.60202	-0.63638	0.172302
-0.31567	-0.31567	-1.88257	0.466156	-3.33456	-1.16229	-1.62561	-1.71146	1.21011	0.14682
-0.10571	-0.10571	-1.89001	2.22473	-3.15179	-2.72922	-2.52954	-2.11111	-0.63333	0.518005
-2.25513	-2.25513	-1.71066	1.13474	-1.58472	-1.29059	0.019867	-2.3183	-1.43329	-0.72446
-2.78812	-2.78812	-2.40323	-0.63211	-1.16849	-1.87381	-2.76877	-1.35574	-1.47256	-0.54123
-0.11096	-0.11096	-0.03952	1.14484	-0.33743	0.097687	-5.32721	-2.20044	-0.83725	0.113373
-2.73114	-2.73114	-1.14001	-2.33453	-0.12732	1.2554	-0.81961	-1.70053	-3.29755	-2.62271
1.28262	1.28262	-1.23447	-3.57135	-2.6124	-1.46164	2.57303	0.223877	2.32199	-2.10141
3.3385	3.3385	-2.39844	-0.98212	-0.15945	-1.1734	2.33954	-2.64349	-1.6499	0.141022
-0.45969	-0.45969	4.83694	-6.57968	4.46014	2.20319	-0.51389	-1.18292	2.91013	-0.10959
-3.91406	-3.91406	1.38052	-3.95181	2.61591	-1.2438	0.983826	1.39743	-2.67078	-5.06696
1.00873	1.00873	-0.06927	-1.59967	2.67169	-0.43723	0.033325	-1.68243	-2.15747	0.059815
-2.04929	-2.04929	1.51797	-0.58878	-3.71704	-3.61975	1.77625	-1.67133	1.69791	-1.3772
-0.99875	-0.99875	0.767517	-4.54166	-2.76294	-0.47107	-1.4537	0.301941	0.141388	-2.40155
0.621704	0.621704	0.272797	-0.57916	-0.59888	-1.55029	-0.19455	-0.99442	0.891357	-0.75198
-0.48734	-0.48734	-2.39206	-1.44507	-1.26871	-1.23169	-0.19263	-0.0246	1.4534	-1.11066
-2.68433	-2.68433	-2.35843	-1.86212	0.988403	-2.25922	0.756042	-1.33716	1.92154	-3.10114
-2.31036	-2.31036	-1.39001	1.42853	1.78268	-1.37982	-2.15829	-2.49576	3.52322	1.64319
-1.20242	-1.20242	-0.6171	-0.68951	1.57706	1.76678	-0.39591	-4.31915	-0.41614	1.55179
-4.21518	-4.21518	4.07501	-2.67877	-0.13727	0.297638	-0.24725	0.678375	-0.5574	-0.6355
-3.57172	-3.57172	-4.04422	-1.2886	-4.51123	-0.71103	-0.34576	-2.02197	1.0968	-3.14508
6.95422	6.95422	-3.58273	-2.99356	3.30496	1.21939	-1.7496	5.78766	1.30814	-1.39658
-2.07074	-2.07074	-1.71848	-3.20193	5.71021	3.01709	-2.13657	3.14301	-0.24847	-4.66974
1.16483	1.16483	-2.83218	-3.83978	1.33798	1.49719	-4.02856	4.17017	0.21402	-2.20108
-0.92551	-0.92551	-1.48383	1.39331	-0.38294	-0.17188	-1.72134	1.95786	1.68271	-1.88629
-1.59747	-1.59747	-0.55048	-2.17175	-0.29236	0.128906	1.155	0.15683	1.13751	-0.57837
-1.1481	-1.1481	-0.65793	-0.81616	-1.51529	-0.56509	-0.04553	-1.33514	0.967163	0.076416
-0.54324	-0.54324	-1.83905	-3.12515	-2.37842	-0.48157	-0.22363	-0.45038	0.123413	-0.91895
1.41669	1.41669	0.106354	-1.69571	-2.59619	0.723602	-1.39175	0.825867	-1.06427	-2.68454
2.09375	2.09375	-0.11551	0.728455	-1.37051	1.10397	-0.16312	0.036865	-1.47345	-0.08002
-2.27045	-2.27045	0.849091	-0.06293	-1.05023	0.395203	1.71439	-3.74655	-1.64865	-1.8338
3.62723	3.62723	0.308929	1.48224	0.079712	1.03204	1.19214	0.892395	2.07101	-4.18671
-0.28622	-0.28622	-1.17514	1.81021	2.67715	-2.13733	4.45993	-0.54208	0.16571	0.784698

1.87122	1.87122	0.407654	2.88464	3.13306	1.98871	0.226898	1.90677	-0.81567	0.606934
0.90213	0.90213	5.134	0.10199	1.54422	2.30148	1.35422	1.77341	-0.78677	-3.09525
-0.30017	-0.30017	-3.2905	0.64212	-1.7272	-0.26151	2.30164	1.05356	0.523041	-1.202
0.3013	0.3013	-2.3623	-0.6275	-1.66473	0.438049	-1.17606	0.875854	-0.95898	-0.62747
-1.04767	-1.04767	0.777527	-1.06326	-1.10355	-2.74939	1.03259	-0.78287	1.15009	0.042023
1.93158	1.93158	0.133881	-2.34808	-2.24899	-0.29309	0.593048	0.497375	0.067383	-0.55899
-1.01834	-1.01834	-0.64914	-1.00046	-2.33881	-2.29578	-0.29153	-3.52859	0.526917	-0.85794
-2.71072	-2.71072	1.68936	-0.49551	-0.28671	1.0358	-0.14716	-2.54733	-2.47336	-0.56513
1.21933	1.21933	-0.60391	-3.86066	0.872375	-1.5878	-2.7876	0.269836	-1.19077	-0.91821
1.53638	1.53638	0.155304	-1.03772	-1.13785	0.399384	-0.24579	-2.51404	2.47006	0.960297
0.850403	0.850403	1.82944	0.780731	0.280823	-0.52866	2.65613	-4.92853	-1.8895	1.4628
3.89099	3.89099	-4.03284	-0.27152	2.70786	1.6778	4.36374	-3.36169	-2.66269	-4.84418
-3.66129	-3.66129	2.34634	0.253632	2.07657	3.55328	4.039	-7.71805	-5.62448	1.77301
1.88474	1.88474	-5.87338	-1.91983	0.289215	3.40277	2.99673	-3.40668	1.38354	3.60315
1.22803	1.22803	-0.9083	-3.02917	-1.73709	-1.18201	0.154541	-3.77905	0.904633	-1.5097
0.460999	0.460999	-1.78851	-2.56119	-0.52704	2.08383	-0.75037	-1.75623	1.5318	0.711517
-0.63916	-0.63916	-0.08127	-1.84937	-1.84467	-0.32108	-2.10739	-2.08926	1.664	-0.69666
-0.41522	-0.41522	-0.88702	-1.74557	-2.67889	1.41071	0.014771	-0.63763	-0.27664	-0.1098
0.353668	0.353668	-1.79153	0.50174	-0.60001	0.978729	-1.58234	-1.17938	-0.49109	1.16367
-1.74194	-1.74194	0.433044	-0.41602	-3.10461	0.269196	-0.22586	-1.61005	0.785339	0.260376
-0.52835	-0.52835	0.111572	-2.82477	0.569183	1.51599	1.79071	1.56006	2.21094	-1.08783
1.59058	1.59058	-0.81451	1.07758	-0.53122	-1.60172	0.079102	1.21994	-0.09674	-4.83218
-1.55798	-1.55798	-2.82016	0.656433	0.53653	2.39374	-0.45728	1.9512	-2.1124	-0.33499
-4.6272	-4.6272	-2.01602	-1.51709	1.45535	-3.87421	-3.43777	-1.10138	-0.36728	-4.5961
-0.7208	-0.7208	2.73886	-3.97977	2.33606	0.043091	-4.46539	-4.61703	-0.29947	1.42612
-2.38394	-2.38394	-0.61578	-4.93991	2.08081	-2.53232	-0.48926	-1.24237	-3.80646	1.12796
-3.07907	-3.07907	0.665009	-1.03589	1.65421	1.2807	-0.84229	-0.71945	-2.23627	-0.7746
-2.21548	-2.21548	-1.2254	-0.6987	2.04095	-0.79108	0.012146	0.678467	0.025513	-0.65918
-2.40866	-2.40866	-3.14856	-1.03024	1.61856	-2.00778	-1.81558	1.34833	-0.56369	0.229523
-1.29532	-1.29532	0.495972	0.888031	3.56052	1.37628	-0.27976	1.20898	-1.49432	3.37561
2.17108	2.17108	-0.44855	-1.42737	-0.42603	-0.69528	-2.85834	-0.52078	-0.14771	1.39896
0.497864	0.497864	-0.28305	1.83218	-0.50851	0.303192	-0.47516	-1.85403	-1.12256	0.878662
1.21634	1.21634	1.68118	1.53705	-0.55432	-1.07141	-1.16919	-3.18936	-0.26175	2.68738
2.08145	2.08145	-1.89041	0.698364	0.011963	-3.17029	-1.6972	2.51556	-1.48685	0.779694
0.635803	0.635803	-0.28687	1.09024	0.628632	0.266846	-1.07336	4.0278	-1.14661	-2.56149
3.25958	3.25958	-4.52954	3.18588	1.41415	-0.18811	-0.23618	3.94022	-2.70209	0.183105
-3.04028	-3.04028	-1.83215	3.74774	-3.10095	6.1713	-2.85828	1.06747	-0.08597	-4.48929
-4.06165	-4.06165	-2.59769	-1.17993	-1.2193	2.69638	0.310638	1.2998	2.82193	2.04166
-2.96075	-2.96075	-3.43188	-0.10788	-4.72342	2.29968	-0.45017	0.622253	-2.94849	0.564301
-1.4281	-1.4281	-1.9404	1.2594	-1.06183	-0.90817	-0.06696	-0.63135	0.805115	-1.6738
-0.07227	-0.07227	-1.82968	-1.47705	1.85284	-1.92889	0.427307	-0.79236	-3.21411	0.507233
1.56079	1.56079	-1.92703	-0.74078	-1.48538	-0.6391	0.406647	-2.22552	-1.91302	-0.10111
-1.43094	-1.43094	0.044861	0.193939	-0.43671	-0.89398	-1.92194	-1.58289	-2.09711	0.900452
-1.87341	-1.87341	0.147156	-1.53592	1.52051	0.070801	-0.73596	-1.39944	-0.76367	1.91705
-0.62634	-0.62634	-0.90543	-1.15927	1.91409	0.4935	0.75589	-2.45004	0.477539	-2.56482
0.502258	0.502258	-4.0632	0.814972	1.24088	2.65201	-2.2226	-1.85995	-1.63696	-5.33789
-4.65228	-4.65228	-0.70328	1.99863	-1.33139	-0.96265	-3.20947	-4.77972	-7.63141	-2.51599

-4.702	-4.702	3.61966	3.01089	0.369659	3.54858	-0.72247	-3.60519	-4.1864	4.47031
-5.0228	-5.0228	-1.88525	-0.42108	-0.73084	4.07431	-8.0141	-4.34982	-2.08698	0.240723
1.04013	1.04013	1.1676	3.36469	-4.90668	3.82257	-8.82437	1.27551	3.54614	-1.92725
-2.95795	-2.95795	-2.38669	1.84363	-1.47171	-0.80551	-2.84827	1.20517	1.42523	-0.18338
-0.29489	-0.29489	-0.3707	-0.85059	-0.82724	-0.71677	0.243958	1.60507	2.11459	1.14432
-1.20267	-1.20267	-2.68408	-1.56247	-0.42065	-2.53247	-1.0177	-0.54526	-0.65411	-1.13318
-2.00931	-2.00931	-1.30753	-0.78146	-1.16418	-2.6037	-0.70566	-2.23004	-0.87662	0.128601
1.25916	1.25916	-1.71365	-0.97095	-2.57452	-2.32327	-2.73822	-2.73508	-0.5838	-2.10464
-2.32022	-2.32022	2.12357	-2.85013	-0.52011	-1.7919	-0.84027	0.285461	-1.92767	-0.53455
-1.59125	-1.59125	-3.40024	-2.22955	-0.66861	-2.76611	0.700104	-2.14844	-0.35815	0.414764
-0.38593	-0.38593	0.662994	-1.05594	-1.18274	-3.97672	-1.93011	-0.15765	-0.03906	0.483612
-1.4321	-1.4321	-0.75247	-3.51486	-1.22919	2.12894	-4.21448	1.76019	0.912994	1.5968
0.949982	0.949982	-4.83923	-4.22589	-4.30704	-7.651	-4.70856	-4.64938	-2.1265	-0.7341
-0.80368	-0.80368	0.642151	-1.33228	-0.94894	-4.4967	0.90152	-4.03952	-0.96658	4.47281
1.01984	1.01984	-2.7356	-1.87161	-1.98978	3.48157	-0.14807	2.25632	-0.67297	5.20416
-0.02936	-0.02936	-1.21707	-3.65967	0.630798	-2.18341	-0.26328	-0.33133	0.050415	-0.43201
-0.43179	-0.43179	0.281189	-1.69498	-2.01614	-2.50226	-0.12595	-0.20303	-1.08618	-1.04187
0.420532	0.420532	-1.04099	-3.08615	-0.08276	0.466919	-1.0491	0.266144	0.296509	-0.48798
0.070099	0.070099	-1.60773	-1.74707	0.605621	2.27368	-0.99255	0.059357	2.07458	-0.6163
1.75937	1.75937	-1.37173	-3.46957	-0.16361	-0.98447	-1.45172	0.685608	-0.8876	0.647949
-0.47824	-0.47824	-3.33414	-1.09091	-2.81329	-1.4043	-0.32806	-3.64804	-1.58658	0.526947
-0.89645	-0.89645	2.42996	-3.48737	-1.03821	-1.5058	0.685089	-0.66806	-0.55185	0.89859
1.88455	1.88455	-0.9574	-0.25574	-0.76273	-3.1265	-1.44131	-0.84476	-0.71036	-0.741
4.0079	4.0079	-1.67007	-0.07864	-0.12387	-6.24765	-2.89117	-6.4274	1.40262	-2.88651
3.0347	3.0347	3.87527	-1.5842	2.87286	-2.4689	-5.06686	-2.93619	-0.44748	-4.21698
0.507904	0.507904	3.04016	-2.62628	4.74057	1.45209	-0.40778	1.47656	-0.10147	-5.90247
-0.53366	-0.53366	-0.26679	-4.00092	3.75681	-0.71262	0.956024	2.41983	1.16904	-0.09933
0.337341	0.337341	-0.758	0.37851	3.02209	-1.8479	1.07114	1.50098	-0.19098	-0.78598
-3.0087	-3.0087	0.87558	0.451508	0.876068	0.254852	-2.00244	-1.20615	-1.1828	0.513031
0.681549	0.681549	-0.27228	-0.00507	-0.85846	-0.11639	0.564911	0.514343	-2.29471	0.799225
0.655304	0.655304	0.329895	-0.87207	-1.08368	-1.7731	-1.33624	-0.30533	-1.86273	0.896393
0.921082	0.921082	-0.39746	0.958435	-1.33041	-0.33789	-0.86081	-0.7533	-2.21048	0.19046
-3.33292	-3.33292	-0.03934	-0.9263	-1.49991	0.760101	-1.27237	0.660156	-1.11807	0.566467
-1.69696	-1.69696	0.868774	1.60983	0.037781	0.811676	-2.9137	1.68604	0.538147	-5.17493
-2.13013	-2.13013	-1.17941	2.01578	-0.42654	0.751984	-2.97131	0.943756	0.608154	-0.01239
0.83963	0.83963	-3.60556	1.55453	-2.39908	5.24606	-4.82996	-1.33951	1.70721	5.2319
0.980377	0.980377	3.60406	-1.6387	-0.94833	-5.39383	-2.03339	-3.41989	3.6398	-3.78857
4.20493	4.20493	-1.35535	2.33954	-0.53363	1.41571	-0.63498	-4.92184	2.34381	-4.94818
-1.02954	-1.02954	-2.10809	2.24069	-0.54498	0.097076	-0.98627	-1.85898	1.95743	-4.15195
1.16843	1.16843	-0.57727	-1.05899	-2.53149	0.123077	-1.03918	-0.57803	1.14432	-0.87201
0.757416	0.757416	-0.3562	-1.3826	-2.20914	0.585144	-2.82846	-2.20984	0.854919	-2.70728
1.71564	1.71564	0.91214	0.411133	-1.78506	1.14371	0.305206	-1.87497	-1.2471	-0.81006
-1.93671	-1.93671	1.44528	0.292542	-1.37158	-0.48709	-0.23746	0.109558	0.835175	1.00009
-3.65073	-3.65073	0.08844	-2.10056	-0.97482	-1.19208	0.742493	0.979126	0.233521	2.92117
-3.34384	-3.34384	1.02966	0.915771	0.584595	-0.98331	-1.48315	-2.57034	-0.76846	5.99786
-1.15125	-1.15125	3.32147	0.20755	0.654694	-2.43842	-0.70639	-2.93515	-1.37247	5.07599
-1.24554	-1.24554	-2.6546	0.929382	0.37738	1.96078	-2.24191	2.71976	-1.80386	-0.53351

5.26233	5.26233	0.728638	0.983734	-0.77228	-1.63895	-1.03366	-2.76093	0.789795	-1.42752
1.3129	1.3129	3.29987	0.347809	-4.11325	2.31888	-6.97336	-1.29807	-0.67239	-0.31339
2.78491	2.78491	0.177155	-4.30197	-4.27664	2.63239	-1.11398	2.01196	2.29044	-4.25989
-0.32886	-0.32886	-0.2854	1.82138	-7.61728	3.20337	0.512817	-2.12619	1.92874	-0.87485
-1.93057	-1.93057	-2.03198	1.13153	-8.0419	2.74429	0.169922	0.043762	-0.13709	0.567108
-2.09628	-2.09628	-1.64392	0.092712	1.77728	-0.26086	0.694458	-0.90015	0.459991	-0.54279
-1.50345	-1.50345	0.706024	0.23465	-0.80154	-2.8252	-0.4838	-0.35736	-2.48682	-1.40677
-2.0018	-2.0018	0.219177	-1.41028	-2.47098	-0.9061	-0.43524	0.04657	-0.86173	0.808197
0.13327	0.13327	-1.48315	-2.59787	-1.42963	-1.18329	-0.54092	-0.88528	-1.50751	-1.57013
-1.13104	-1.13104	-0.69165	-1.4581	-1.78259	-1.51541	1.45352	0.072846	-1.28897	-2.46744
0.000153	0.000153	-1.16922	-1.07315	-1.85733	0.559998	-3.0939	-0.02075	-0.29565	-1.57782
0.306763	0.306763	1.03769	-2.01743	1.42438	1.9256	1.06628	-5.31284	-3.74435	2.54791
-5.19769	-5.19769	1.46994	2.89145	2.7254	1.16064	-3.73856	-4.5896	-1.87589	-0.87351
3.30338	3.30338	4.59546	-0.8999	1.09915	-0.54483	-4.15167	-0.16409	-1.66809	-5.65329
5.54343	5.54343	0.372345	-1.17828	2.83545	-3.99881	-7.12729	-0.13654	4.67813	0.329529
2.87595	2.87595	0.145203	2.58868	-0.54108	-2.3204	-3.85678	2.10931	4.34155	-2.82175
-0.90906	-0.90906	0.361115	-1.56506	-0.4827	0.79599	-1.47308	-0.83844	0.955627	-0.4596
0.490692	0.490692	0.138702	-0.1648	0.165161	0.80835	-1.60605	-1.53253	1.87091	-1.68747
0.84613	0.84613	-1.62936	-1.24106	2.57974	-0.25729	-0.34201	-0.03616	0.524811	0.062439
1.06979	1.06979	0.329285	-1.38348	0.234528	-2.6615	-0.09924	-0.53854	2.68298	-1.01709
0.767273	0.767273	2.67755	-2.01266	1.60068	-1.01389	-0.74612	0.287109	0.039002	1.30777
2.48978	2.48978	1.93347	-0.04901	0.125702	-0.62982	-0.67716	-0.22025	-1.81186	-0.88013
1.99615	1.99615	-0.05832	0.401031	-0.93872	-1.05652	2.9061	0.59256	-2.65286	1.21997
-1.99234	-1.99234	0.786591	1.93506	-0.66025	0.801208	-0.28751	2.34726	-2.16684	1.2858
2.1022	2.1022	-3.19577	-0.87805	1.31201	1.22766	-2.81006	2.8743	-5.76028	1.18448
0.925201	0.925201	1.50897	-2.37592	0.210846	-3.8782	1.08124	-0.71918	0.275604	-6.8504
5.8905	5.8905	2.09204	1.36111	-2.16846	-6.5929	3.48721	1.83386	-4.80487	0.713135
-0.81705	-0.81705	1.87253	2.47546	1.93033	-6.14362	2.42834	0.984619	-1.85938	1.78717
3.70285	3.70285	2.29642	1.10184	2.61841	0.252899	-1.02036	-1.21393	0.48114	-0.46201
1.8483	1.8483	0.747894	0.239014	0.061981	1.51865	1.39554	-0.46555	0.453491	0.334625
1.50574	1.50574	-2.39877	-1.66455	0.851532	-0.3288	-0.13901	0.018921	0.180786	-2.65387
2.28339	2.28339	-1.21271	-0.58618	1.23392	1.40988	1.19366	-0.50632	3.07968	0.018311
0.649872	0.649872	-1.15063	-0.12857	-0.91101	1.66092	4.19537	-0.7898	1.38922	-1.81845
1.42618	1.42618	-2.24603	-1.92941	0.014404	0.701294	1.52463	1.10046	3.23163	-2.91733
2.67395	2.67395	0.95108	2.31693	0.947784	1.1413	0.060089	-1.46146	0.034729	0.345764
-3.39163	-3.39163	3.88809	0.902374	3.34116	-1.40149	0.761902	0.282166	-0.01166	0.24939
-1.12888	-1.12888	2.29483	1.69556	1.66513	3.70364	1.33923	1.4953	-1.4772	-5.75632
0.775879	0.775879	-0.44504	1.14359	1.00735	-0.48102	-3.68729	-0.74658	-3.65329	2.13501
2.8403	2.8403	-0.87204	-1.34497	-3.53604	5.93979	-5.40887	7.94577	2.17603	4.70941
1.55106	1.55106	2.1987	-1.64124	-2.10269	-0.5592	-1.76816	0.246826	0.208832	0.784546
-0.79575	-0.79575	0.770721	-0.34067	-4.85031	1.31979	0.144318	0.155975	-1.17386	-0.22809
0.279419	0.279419	-0.0769	1.2442	-1.62054	0.551239	-0.42935	0.358978	-1.0975	-0.54788
2.35333	2.35333	-0.40158	-1.28275	0.007446	1.11041	-1.35638	0.545532	0.258087	1.69275
1.72659	1.72659	1.29117	-1.17429	-1.13177	0.042908	0.948059	0.013977	1.15738	-1.00351
2.27597	2.27597	0.230865	0.859436	-1.18933	0.876038	0.778076	1.1062	1.29211	-1.55383
2.43036	2.43036	1.77817	-1.00732	-1.25839	0.703278	0.984924	0.939972	0.46344	-0.34763
-0.74414	-0.74414	0.208679	0.730438	0.996674	-0.66211	-0.94519	-0.86676	0.382324	-1.72021

0.844971	0.844971	0.095306	-2.34854	0.802765	-1.2399	1.85049	-3.64795	0.717255	-1.08218
-1.58459	-1.58459	6.60892	-2.14746	-0.74548	2.37534	1.32944	-1.96973	0.852509	2.63989
2.05258	2.05258	-5.57492	-0.7359	-1.57175	-3.77942	-0.12497	-1.21677	-1.43448	0.69101
-6.01819	-6.01819	-0.24295	2.29031	-4.92316	1.99249	0.235718	-2.45044	1.40912	-2.25369
0.533936	0.533936	0.2883	4.99838	2.6105	-1.39651	-0.57547	-2.59039	1.02554	2.25494
1.21613	1.21613	0.975616	-2.09888	-1.1886	-2.81161	0.567841	-0.25833	-1.08557	0.222595
2.32721	2.32721	1.0022	-0.89328	0.797058	0.377228	-1.47424	-0.09055	-0.42218	-0.76358
-0.53647	-0.53647	1.39993	2.44513	-0.30505	-0.57938	-0.22058	0.199615	0.182587	1.14154
-1.1044	-1.1044	1.39737	0.533539	0.244324	-0.91821	-1.18585	1.09836	0.075378	-1.4707
-1.68683	-1.68683	0.330139	2.22873	0.285583	-0.40369	1.55719	-2.07809	-0.0491	-1.32803
-0.69122	-0.69122	-0.20703	0.292786	0.80481	-0.13342	0.747833	0.80835	-0.68927	-1.60123
-2.77747	-2.77747	-1.81644	-1.77695	-2.07263	-0.80502	0.343292	1.14114	-0.59387	-1.47092
-3.41632	-3.41632	-1.1788	-1.76584	-0.28842	-1.92291	0.555786	-0.17703	1.32285	-1.41229
-1.72717	-1.72717	4.15674	-2.35196	0.129425	1.61584	0.248932	0.759583	3.7197	-10.3256
-1.76392	-1.76392	2.23517	0.842407	-2.70123	0.332672	4.54733	2.89053	0.758423	-1.52158
-6.97119	-6.97119	2.78085	-1.58908	-0.26984	-2.54779	4.5863	-0.19275	1.83774	-4.19867
-0.75824	-0.75824	-4.5766	-0.06952	2.08832	-7.13861	3.49783	3.68262	-5.47736	-0.19174
-2.07376	-2.07376	-0.76419	-1.57187	-0.10461	-2.59293	1.56213	1.28937	-2.09378	-0.39179
2.50571	2.50571	-1.9465	1.2359	1.43658	0.149139	-2.06937	1.02496	-1.7554	-1.82739
0.418427	0.418427	-0.12988	1.35364	0.741943	-1.297	1.5282	-0.15009	-0.23639	0.650421
-1.91052	-1.91052	-0.74701	-1.09708	-0.46808	-0.84351	0.101562	-0.00354	-1.02533	0.284088
0.266663	0.266663	-0.25324	0.929535	-0.43021	-2.86649	2.28369	-0.75009	-1.52829	-1.38135
-0.58142	-0.58142	-0.17783	-0.55222	0.508698	-1.6954	0.84613	0.014557	-2.41068	-1.26715
1.72565	1.72565	2.64548	2.45844	-0.50751	-0.12561	2.49249	0.319855	0.115448	-1.47571
2.28726	2.28726	1.211	0.175781	0.479462	2.71741	2.39221	2.11325	1.64114	0.160492
0.321411	0.321411	-5.22476	1.36295	1.06381	-4.22656	-0.28647	3.29327	0.755096	1.1268
-4.2139	-4.2139	-0.50534	-1.86832	1.32166	1.29248	0.146027	2.66141	7.0499	4.96512
-2.8158	-2.8158	0.269043	0.978729	3.63156	-3.561	-4.64398	1.28046	3.71793	6.39633
4.78094	4.78094	1.9039	0.631378	2.96451	-3.9631	0.040924	2.80722	-4.07446	2.04575
-0.34836	-0.34836	3.16391	-1.53397	3.3327	0.641174	-0.54279	0.528168	0.55603	2.47891
1.03592	1.03592	0.579895	0.898804	3.12228	-0.65897	0.040436	1.26727	0.155212	3.31201
-0.01367	-0.01367	1.50793	1.37424	0.15625	1.80472	1.63321	0.319733	-1.12189	1.84692
-0.16962	-0.16962	1.4325	1.54962	1.76373	-1.08472	-0.95514	2.19397	0.088165	3.6185
-0.07263	-0.07263	1.59344	0.60733	4.00467	0.127014	0.621674	2.6698	0.582703	2.78696
-1.61374	-1.61374	2.20465	1.48648	7.3573	2.1362	1.48422	2.47195	1.02274	0.745148
-0.66815	-0.66815	-0.66434	-0.99707	3.84058	-0.22821	-1.9881	0.893951	-1.30576	-2.41113
0.21225	0.21225	-2.61819	0.358978	1.59778	-0.19962	2.0108	-0.25116	-2.24854	-0.33261
0.825623	0.825623	-2.39899	-4.27545	1.79953	3.96585	3.20624	-2.45493	-1.5235	-0.92401
1.8797	1.8797	-4.56003	-1.3671	-2.24286	5.70367	2.97824	-2.47217	-2.42059	2.87601
-1.61697	-1.61697	1.82706	1.29462	0.800751	6.84381	1.8313	-4.69513	-4.69366	4.89783
1.04434	1.04434	0.018311	-0.33783	6.703	3.74039	0.987122	-0.49619	-4.17105	-0.74753
-1.10257	-1.10257	-2.3205	-0.35797	2.2269	0.014893	0.490021	1.85007	-0.85806	-0.0054
0.967804	0.967804	0.439178	-2.71979	-0.18564	0.371826	-0.61624	-0.06525	-0.534	0.883209
0.481323	0.481323	0.265717	-0.38104	1.73834	0.285004	-0.7767	-1.42816	0.19931	-2.16165
0.098206	0.098206	-1.92932	0.330627	0.854431	-0.38382	1.23926	-0.52963	0.712677	-1.53668
-0.82672	-0.82672	-0.82544	0.901031	0.506378	1.55704	2.05988	-0.672	0.127411	-3.23535
-2.72253	-2.72253	-1.30713	0.836884	-0.26929	2.4577	0.237946	-1.05795	1.41104	-3.00934

-0.57626	-0.57626	-1.65683	2.95645	1.31647	-0.54242	-0.31369	2.63815	1.17914	-1.36142
0.731873	0.731873	1.38589	-1.55722	0.967072	0.562683	2.9259	1.77676	-0.09326	1.3848
-0.49628	-0.49628	4.35321	0.185333	-0.16397	-4.02505	2.36664	0.425598	-1.58319	-3.36072
1.58249	1.58249	4.39676	3.50119	-1.82083	0.38678	0.858124	1.95172	-1.52921	2.64682
1.0329	1.0329	1.63956	-0.29837	-2.30646	-1.87329	0.50351	-1.66644	-4.90466	5.99271
1.69095	1.69095	-1.5083	-3.36343	-2.73618	1.62347	2.92813	3.56622	-6.22775	2.52237
-0.40237	-0.40237	0.06543	-0.83167	0.121704	-0.1369	2.10703	0.561066	0.87442	-0.32581
-0.3205	-0.3205	2.0528	-1.246	1.58246	-1.16595	0.614838	1.18106	-0.25009	0.411804
0.187225	0.187225	2.00424	-1.13394	0.741638	1.77512	1.76901	-0.57758	-0.76639	0.150635
-0.74231	-0.74231	0.445984	-0.34546	1.5191	0.747894	3.06665	-0.03073	1.12427	-1.5575
2.29218	2.29218	1.42136	-0.50028	2.55127	-0.73688	2.50488	-0.57648	-0.90509	-0.76303
2.41806	2.41806	-2.40823	1.03558	1.19659	-2.0376	1.27405	-0.53876	0.339813	1.99966
0.294647	0.294647	0.208588	1.60544	2.29828	-0.87311	0.778992	1.30994	-2.78857	1.97797
-0.08453	-0.08453	-1.66269	-0.16773	-1.50623	-0.35211	1.10519	-1.91434	0.079865	1.0824
1.12112	1.12112	0.628113	2.77405	1.95871	1.74646	1.56934	-1.686	1.02991	-0.28549
3.08688	3.08688	0.178284	6.0274	2.61066	0.63559	2.01913	2.71652	-1.2384	6.41193
2.81262	2.81262	6.10376	5.66644	0.004761	4.70428	-2.3179	-2.75885	-3.14078	4.07352
-3.27716	-3.27716	0.732422	2.31647	1.90192	-1.62393	0.746033	0.515106	2.63553	-1.31625
-1.67355	-1.67355	0.302002	1.80853	-2.05661	-0.98492	-1.31268	0.294067	-1.08627	1.14331
2.28009	2.28009	0.880798	-0.60999	-0.30914	-0.09238	1.09033	-0.28842	0.238403	0.661804
0.584625	0.584625	0.810028	-0.22064	0.204559	-2.8819	-0.04291	-1.16116	-0.15939	0.716431
-0.76581	-0.76581	0.004181	0.564636	1.05392	-2.02261	0.112946	0.584656	-1.45532	-0.67249
-0.30203	-0.30203	-1.11456	1.68323	-0.37653	-0.13898	-0.72553	0.555511	1.05811	0.745544
1.97238	1.97238	-1.87234	1.6669	0.358887	-1.32391	-0.23056	2.01904	0.949829	2.76285
-0.57736	-0.57736	0.533783	1.17245	0.533173	0.063782	1.42789	0.671143	-1.98367	0.511475
2.28458	2.28458	-1.59961	-0.84653	0.017975	-2.15192	-1.47241	3.33487	1.69214	-0.8486
0.232117	0.232117	1.35861	0.841553	3.98892	-0.50046	3.44223	-1.9433	0.705902	2.96161
2.06238	2.06238	-0.97382	-0.6521	0.94046	8.01828	-0.71606	2.38541	-2.85181	3.97733
-1.4505	-1.4505	-1.00903	-1.54196	4.79724	3.15939	-2.27148	0.395874	-3.45526	4.54443
1.72156	1.72156	3.0224	-1.76242	2.97513	2.52927	1.35254	1.48611	0.057129	1.17975
0.19165	0.19165	0.764923	-3.71667	-1.11511	1.04709	3.01154	1.00125	1.94354	2.24179
0.072418	0.072418	-1.33472	-0.29309	0.794556	2.28503	-0.95627	0.749359	-2.62628	0.441925
-0.84326	-0.84326	1.69934	-1.42935	1.60983	0.566132	0.133911	-0.22467	0.039307	-0.82367
1.9223	1.9223	0.213196	1.14542	2.10641	-1.35559	0.575867	-0.50714	-1.26614	-0.74561
-2.51154	-2.51154	-0.26056	1.29855	1.62219	-2.75168	2.11227	0.105408	-0.69299	0.110046
0.707458	0.707458	-0.41104	-3.4368	0.90271	-0.52152	2.35593	0.967072	-0.98886	-2.00903
-0.53037	-0.53037	-0.71854	0.69693	0.68689	-0.91953	-0.1778	0.316254	0.496124	-2.54913
-1.69724	-1.69724	0.433105	0.110474	-0.04562	3.33661	1.47598	1.51065	2.27716	-0.41888
-4.72937	-4.72937	-0.68439	-1.66586	-1.56607	-1.86765	3.42035	0.913483	-0.64539	3.05798
-2.0546	-2.0546	3.35226	2.0882	-0.40634	-5.40182	4.04074	1.45441	1.65842	-0.3396
0.608215	0.608215	-4.84985	5.45483	2.81564	-1.03909	4.19373	-1.51562	1.33163	6.55643
2.70786	2.70786	0.973999	3.16629	-3.16647	3.37067	6.88553	-5.87567	-0.12366	4.21097
1.84503	1.84503	-1.4939	1.71292	-1.36301	1.53058	2.64883	0.167267	1.01062	-1.33951
-1.9603	-1.9603	1.75879	2.19553	2.14926	-0.50806	0.74585	0.967957	-1.7059	-0.76218
-0.68985	-0.68985	2.16373	0.656036	0.397247	-2.88989	-1.21561	-1.06308	-2.27191	-0.00406
-0.13052	-0.13052	0.992096	2.54272	-0.33719	-0.54089	-0.28095	0.925171	0.192657	-0.38629
-1.31772	-1.31772	0.733459	4.15543	-1.63873	-0.95609	-0.13593	0.752808	0.321106	-0.67325

-1.56741	-1.56741	0.431671	2.29099	2.4614	2.2681	1.16153	1.39786	-1.45126	-0.05985
-0.57047	-0.57047	-0.66724	1.89914	0.971893	-1.50513	1.71008	1.21506	1.28424	-0.24423
0.270172	0.270172	-1.24921	-0.49454	0.370453	1.62161	-1.92441	-0.51004	1.50034	0.689209
1.79303	1.79303	-4.15018	0.121338	1.25702	1.35706	1.08975	-0.44843	1.20459	1.9585
3.25659	3.25659	-2.37723	0.640594	2.82816	3.49887	4.88684	-1.23959	-0.97278	2.229
1.01022	1.01022	1.26074	-0.63736	5.93585	4.01389	3.1145	1.58447	-1.28119	5.36893
-3.84256	-3.84256	-1.00919	-0.92212	-2.1886	0.822693	3.78094	1.97363	2.21005	3.07285
-1.25607	-1.25607	0.670929	2.47421	1.86649	-0.98041	4.83664	0.287354	3.63632	0.485504
1.814	1.814	0.500885	0.43811	-0.05124	-2.77176	3.03894	-2.05673	-1.27438	-0.42288
0.697449	0.697449	0.154144	3.03433	-0.14584	-1.47308	2.0741	-1.21686	-0.0762	1.33673
0.0448	0.0448	-1.62073	-0.41766	0.795929	-1.57181	1.98767	-0.54202	0.357361	-0.1333
0.392273	0.392273	0.43045	1.97495	3.25827	-1.15707	0.563385	-0.2424	0.412201	-2.04593
2.16968	2.16968	4.16965	0.465485	2.72299	-1.49081	0.788422	0.980865	1.31952	-2.93265
0.293549	0.293549	0.125061	0.106842	0.545868	-0.0329	0.777985	-0.13535	1.11594	-1.44412
-3.05463	-3.05463	0.856812	2.46658	1.26776	0.202911	1.60831	-2.73795	0.047363	2.49069
1.89713	1.89713	-0.85059	1.00485	-2.23428	2.34534	4.46362	-5.62653	0.60379	3.05179
0.259094	0.259094	-1.85052	1.6539	0.999268	-0.36731	1.56442	-2.25958	-0.31949	-0.15109
2.20352	2.20352	0.899139	-1.42578	-2.38394	-0.85269	3.0108	-5.90195	-2.74759	-0.16077
1.27914	1.27914	1.02032	-2.44693	3.03513	1.62927	1.22495	-2.94348	-0.78226	1.07367
-0.05475	-0.05475	1.93301	-2.57889	4.2359	-0.97043	2.49173	2.64355	-0.76166	0.829712
-0.27539	-0.27539	1.90118	1.93741	-0.17273	-1.84647	2.22995	-0.35114	-0.1825	0.213715
-0.49667	-0.49667	2.01984	1.79364	1.12674	-0.22397	1.44321	0.15094	-0.98239	0.276642
1.11948	1.11948	1.17297	-0.57886	1.61792	-0.548	4.34995	0.773468	0.253662	-1.36621
0.267181	0.267181	1.64926	-0.98306	0.011688	-0.77487	2.36737	2.9183	1.13672	-0.53534
2.16196	2.16196	-0.91245	1.43307	2.36209	0.279388	2.04672	-2.63144	1.54062	-2.36093
1.93845	1.93845	-2.31573	-1.21625	-1.54971	2.00427	4.22159	0.757843	1.01132	-0.53842
0.73175	0.73175	-0.00381	-0.16812	0.387268	-0.48862	0.400787	2.07635	0.109161	1.65881
1.29382	1.29382	-1.96286	-3.64685	-2.45859	-6.62506	0.90033	-2.6351	0.248413	2.64868
1.6228	1.6228	-0.74414	-7.74442	2.90247	0.178192	1.93704	3.51331	3.8653	2.0719
-0.1163	-0.1163	-4.70374	-2.75146	-1.97763	1.87698	-0.7168	-4.27502	-0.05359	1.89752
-1.18585	-1.18585	-2.67899	0.96759	4.16382	1.93829	1.44272	-3.64148	2.89474	-0.33893
0.411224	0.411224	0.317627	2.30453	-2.25101	-0.20132	-1.26236	0.253662	-1.36728	1.70642
1.73691	1.73691	-0.33542	1.55341	-0.14984	-0.14606	1.52756	-1.49664	-0.05231	1.07132
2.60632	2.60632	-1.12796	-0.45047	1.93353	-1.56168	1.9111	-0.18948	0.976593	1.08374
1.7897	1.7897	-0.81003	0.681122	1.66373	-2.31689	1.68375	-0.56012	0.096771	-0.00018
2.11557	2.11557	0.312439	1.84805	1.88708	-1.24197	2.11249	-0.87698	0.428802	1.67435
1.59857	1.59857	0.370056	2.3653	1.66669	0.641296	-0.72067	1.33896	-0.88876	2.47235
-0.43765	-0.43765	0.732086	-0.56946	2.71017	4.40588	-0.01089	1.24985	1.42734	1.30746
3.59396	3.59396	0.511902	1.26086	1.12167	0.367004	5.58569	0.84317	3.48984	0.340607
3.02121	3.02121	1.79861	0.337738	1.86673	0.128143	1.66302	4.16699	-0.08798	2.4563
0.004486	0.004486	-3.23624	0.564087	4.12115	-0.44711	2.53922	-1.16656	0.221008	0.691925
-1.01758	-1.01758	-1.84805	2.18173	2.90677	-1.6709	4.91592	-2.28763	1.56894	-4.35797
0.393341	0.393341	3.21411	1.55429	-0.40598	-4.72501	3.67712	2.27301	2.47784	-4.00424
1.35413	1.35413	0.142822	1.76913	2.22919	0.997986	-0.29987	-1.28622	-0.88467	-1.37469
1.54062	1.54062	1.01868	-0.19959	0.224457	1.04944	2.43304	-1.39124	2.7298	3.17203
-0.50577	-0.50577	0.414825	-0.00085	1.45615	0.080811	2.80789	-0.65576	-0.22141	0.91333
2.7012	2.7012	-0.41602	2.68314	2.16611	-1.91721	4.68567	0.153656	0.978882	1.6268

2.24637	2.24637	2.79395	1.51935	0.395386	-1.44467	0.761871	-0.01129	0.437012	2.57245
1.68079	1.68079	2.99576	-0.6127	-0.90869	1.91788	1.28815	1.65027	-1.42517	3.69406
2.57385	2.57385	2.60358	3.53714	-0.76831	1.63919	2.96609	-2.12225	-1.64557	1.77786
1.47726	1.47726	-0.1983	1.52377	3.18826	2.86099	1.1691	3.16077	-0.69077	2.10611
-1.39059	-1.39059	-1.17377	0.313751	-1.32907	5.38104	-3.71097	-1.14651	1.65732	3.64059
-5.49982	-5.49982	-3.55832	2.198	-0.62793	-0.31952	0.588928	-0.51328	4.29471	4.18872
-5.15698	-5.15698	1.89716	0.720337	5.24155	-1.84171	-2.354	1.61948	2.85641	-2.10947
-4.74936	-4.74936	-0.14697	2.62427	0.8815	0.13269	3.81952	-0.25479	-0.50525	2.35797
-1.54767	-1.54767	4.69052	1.67322	1.76349	2.75439	3.07773	1.13297	0.925537	0.634003
2.07251	2.07251	0.515381	0.358612	1.11908	2.23215	2.10083	0.012482	-0.32919	-0.03137
1.21445	1.21445	0.494324	1.01526	1.06754	-0.86899	-0.4823	-0.12906	0.466187	0.74292
1.6701	1.6701	0.58728	0.17334	2.56223	0.854492	-1.26456	1.39087	-0.05554	-0.45538
1.83588	1.83588	1.87506	1.04233	0.859985	-0.97247	0.247864	1.92551	0.103302	-0.08685
2.55548	2.55548	-1.74045	0.405701	2.05649	1.26147	1.49155	-0.16635	-0.63309	3.60446
2.22064	2.22064	-0.40292	-2.27377	-0.10941	2.3931	-0.9303	-1.22034	1.58524	2.77988
1.87186	1.87186	2.53531	-1.78613	0.22467	0.442993	1.29199	1.79935	-2.53394	1.43521
2.73792	2.73792	-0.05347	1.23096	3.4494	0.840149	4.45193	3.12488	-0.2868	0.644989
1.048	1.048	1.42978	0.889984	4.82614	-5.46222	1.92392	-1.43768	0.030212	0.81311
3.96542	3.96542	-0.64496	6.27164	7.06195	2.535	3.54422	5.74597	5.65863	-1.87619
2.81863	2.81863	3.66953	2.96317	4.5032	-0.55481	0.886841	0.521118	2.05243	0.995667
3.12225	3.12225	2.08731	1.79181	2.28128	1.70407	0.064545	0.804871	2.02124	-0.60449
-0.9234	-0.9234	-0.14981	-0.30869	0.205383	1.70505	-0.28415	0.539978	-0.0878	1.29382
0.794952	0.794952	-1.59497	0.33783	0.829346	-0.58209	-0.71939	-1.20108	-0.01761	1.01022
1.2103	1.2103	0.201996	1.73813	3.66531	1.6011	0.440155	-0.02832	0.893768	0.987915
1.34457	1.34457	0.899841	1.77695	4.12039	0.064026	-2.29913	0.911804	1.53311	3.82446
0.877075	0.877075	1.86755	4.10718	1.37881	0.719879	-1.62738	1.08246	1.89154	2.46307
2.86694	2.86694	2.33109	0.71225	1.51599	0.055573	-2.5062	0.843964	0.395447	2.39929
-0.24454	-0.24454	-0.07819	-0.12482	1.17416	1.42679	-1.5419	-1.63724	2.34204	-0.25
-1.4585	-1.4585	1.42142	0.074432	2.36002	1.21036	1.48645	2.14349	2.91782	0.844696
-1.11111	-1.11111	5.47897	1.13901	4.92157	2.12479	0.642242	3.34512	5.07401	1.56512
-1.86868	-1.86868	0.216858	-2.35068	4.41727	0.233704	-1.25818	-1.66245	0.73761	1.95682
0.408234	0.408234	1.81631	3.23828	4.27621	-2.9501	-1.03537	0.055603	-2.88077	5.35306
-0.13358	-0.13358	1.29572	1.33371	2.0047	1.3541	1.83044	-1.63754	-1.85968	-0.29779
2.18289	2.18289	3.24759	0.577026	1.59106	1.80154	0.802155	-0.85684	2.63211	1.08932
2.51535	2.51535	1.90714	2.73035	0.336456	-0.33899	2.45361	1.71924	0.524506	1.34125
1.819	1.819	0.47879	0.476135	2.11401	-0.06381	0.340851	1.67758	-0.90244	2.173
0.630768	0.630768	1.68475	1.99353	3.07468	1.16663	1.44669	0.928101	0.454407	2.65646
0.689362	0.689362	1.79865	0.20639	1.5925	-0.32092	1.84683	2.30795	-0.01666	0.404449
1.12164	1.12164	-2.31064	2.76523	-0.19193	4.12167	0.742706	2.21915	0.779541	2.13858
1.49567	1.49567	2.8606	3.88806	2.75626	-0.0582	-0.1044	1.92136	-0.53326	-0.36289
1.12192	1.12192	0.309631	2.33325	0.678009	-1.90384	1.29922	6.04218	3.0285	1.43689
4.00909	4.00909	-0.04944	2.71249	0.213867	-1.77142	-4.11539	1.93881	1.37289	-0.9556
4.0842	4.0842	-2.95294	-2.08307	3.47876	-2.8063	4.03952	-2.84534	-2.56638	-3.70999
3.86853	3.86853	0.060822	4.69757	-1.62308	-2.2355	4.98843	0.680511	1.03564	2.35565
1.77615	1.77615	-0.44818	4.76584	3.62061	-4.47031	-2.20038	1.55807	2.90344	-3.64551
-0.39841	-0.39841	-0.76672	2.47342	2.90887	0.150726	0.772736	1.12128	-0.95648	-0.09637
0.524139	0.524139	1.25674	3.83093	1.85056	3.51413	-0.14758	0.209625	-0.39591	0.330048

-0.71811	-0.71811	1.78818	3.06973	2.70071	4.63348	-0.13565	0.035584	-0.19022	2.73639
1.65268	1.65268	1.31244	1.53833	1.13068	5.55313	-0.90424	-0.15848	-0.12738	2.32977
0.270874	0.270874	3.31885	2.69128	-0.2366	2.91049	-1.99957	1.86865	2.57092	1.92596
0.085754	0.085754	1.13757	0.930847	0.452484	1.90128	0.102295	2.86444	-0.30847	1.84848
-0.67575	-0.67575	1.3548	1.52957	-1.10773	-0.27982	0.191711	1.92004	-0.21036	-0.1496
-1.60239	-1.60239	-2.35437	1.74484	2.81693	-3.85486	0.592346	2.22888	-3.05371	1.9054
3.6506	3.6506	2.42258	1.38541	3.35596	1.47958	0.075226	5.30792	1.9747	0.352997
2.90271	2.90271	3.07574	0.836731	-1.81613	0.48291	2.6955	-0.25104	-3.83588	-2.98349
1.76175	1.76175	5.24802	1.18039	-0.94177	-3.57663	-1.15787	-1.77167	0.662445	-0.99475
2.24005	2.24005	1.99722	1.17743	3.24478	3.41867	0.510437	0.869171	-0.06699	1.36151
3.1806	3.1806	0.6586	3.51532	3.68167	2.34015	1.44916	0.465668	1.27002	0.19101
-0.90488	-0.90488	2.69263	3.52533	0.904449	5.05063	1.2692	1.71072	0.360809	-1.06476
-0.198	-0.198	3.56927	0.655426	1.51373	4.55679	-2.24344	1.68878	1.74387	-0.35089
1.33676	1.33676	0.216156	1.22604	1.94397	2.70853	1.39969	2.2991	-0.1564	0.758453
1.31558	1.31558	-0.05453	2.4592	-1.37271	0.833679	0.009338	-0.90884	1.94733	0.461975
0.299347	0.299347	0.396667	2.38235	-0.09241	-1.08792	0.451294	1.50824	0.340942	0.500488
2.23727	2.23727	1.91769	-0.64694	1.17908	0.918213	-0.81039	1.01575	-0.52164	-0.09451
2.79303	2.79303	-1.53519	1.64203	1.25201	2.75845	-0.28827	3.55179	2.45929	2.37158
1.78738	1.78738	2.88666	2.9028	-6.55203	2.5459	-0.43207	3.97623	-2.59259	-0.1597
1.2106	1.2106	2.61795	-2.44476	-4.40924	-5.74161	-6.70218	2.17728	2.43341	-1.87329
-0.79517	-0.79517	-1.53458	-0.29733	-0.27368	1.58368	-3.76596	0.402313	1.48175	1.17825
0.782837	0.782837	-0.39429	0.92923	0.183197	-0.20331	-2.53967	-0.52103	0.111938	2.85739
1.375	1.375	2.84378	1.12302	-0.97263	-0.54205	-1.73065	1.73648	0.904114	-0.1872
-1.05286	-1.05286	2.16583	2.71194	0.346252	2.35712	1.3847	1.85733	3.70139	0.194031
-0.32221	-0.32221	1.37167	2.78482	1.28143	3.44861	0.521851	0.665375	0.037262	1.349
1.87686	1.87686	-0.30075	1.44604	2.95419	3.29764	-0.25342	-0.73129	1.03162	1.48615
1.97198	1.97198	1.52066	1.44989	-1.5459	2.14969	0.170135	-0.76675	1.65323	2.83466
4.65454	4.65454	2.54257	-1.83945	0.527679	3.13937	0.872498	-0.43475	1.46783	0.585785
1.99158	1.99158	-0.6698	3.23166	-0.09744	-1.3613	1.67371	1.14087	0.260254	-0.1835
1.80222	1.80222	1.76672	-0.51297	2.05771	2.22964	2.97983	-1.07892	-0.3172	-0.62051
7.11719	7.11719	1.74438	1.58798	0.768158	-2.07062	1.93814	0.834808	-2.11499	-1.20398
5.4725	5.4725	0.592468	1.34232	0.510956	1.7247	-0.1695	2.35165	2.11972	7.33752
0.127045	0.127045	-0.78369	-2.41852	1.71011	8.88199	1.00192	2.57013	6.02643	-1.68524
3.94864	3.94864	0.527924	1.39053	3.81158	0.898376	0.377228	2.46045	3.14053	0.300018
0.484314	0.484314	4.3923	3.28012	-0.14124	4.79605	0.804932	-0.99384	0.371307	0.736023
1.32773	1.32773	4.17282	1.83023	0.237335	3.4577	3.09799	0.508942	3.12439	-0.13937
1.98059	1.98059	4.60269	1.51453	-1.44427	5.51511	2.67807	0.397369	1.14948	-0.19391
0.947571	0.947571	4.38187	1.61465	-1.77451	3.97253	-0.69751	0.329712	2.47491	-0.83234
2.27777	2.27777	0.580963	-0.39032	-0.14911	-0.26581	-1.47015	-1.12424	1.36331	-0.94583
-1.01974	-1.01974	2.19058	0.719055	-0.90512	1.06888	1.26379	-0.73776	3.60922	1.51868
2.36316	2.36316	1.5051	0.348785	0.755066	0.100311	1.68549	1.77576	2.85226	0.513
0.238403	0.238403	3.14581	-0.06995	2.186	1.97095	2.10745	3.08789	1.1673	2.6904
-3.84622	-3.84622	1.61426	0.508911	1.45026	3.25418	1.48132	4.82581	-0.96478	2.88892
5.43671	5.43671	-2.47284	2.30453	-5.34525	-0.98901	5.34113	8.75076	-0.21878	0.461334
1.95074	1.95074	-2.73358	3.53729	3.67212	0.720367	-1.43747	-3.508	1.81253	-0.80853
3.99295	3.99295	1.77463	2.02551	3.28488	-0.20132	-0.89636	-1.07944	-0.13068	1.35339
2.99741	2.99741	0.815094	1.27432	1.27438	2.48544	0.279938	-1.01083	-2.06281	1.17163

4.08234	4.08234	0.874115	1.11865	1.87006	6.20001	1.879	0.410034	1.11911	3.00525
2.3717	2.3717	3.43179	1.47324	1.08502	4.6976	0.925446	-1.01193	2.88718	1.6297
1.45096	1.45096	2.13187	-0.54965	1.54648	4.26181	1.68167	0.08551	0.084808	2.62216
3.90878	3.90878	4.98267	0.498077	0.307892	2.75659	4.56723	-1.50293	2.63052	1.63495
-0.37454	-0.37454	1.12488	1.28293	1.46469	-1.0437	3.2468	-2.46756	1.47543	-0.16782
-0.77625	-0.77625	2.66159	1.23438	1.24188	2.2709	1.16739	1.34067	1.58334	3.41809
-5.25458	-5.25458	4.52362	-0.63486	2.1824	2.76636	4.35764	0.979187	3.01691	0.554504
-1.9631	-1.9631	0.832458	-1.87231	5.35657	6.3653	-0.24408	4.06592	-2.8157	-0.48618
2.07523	2.07523	-0.68094	4.76352	7.29086	-7.27441	4.31961	3.73328	4.79642	2.72211
3.11523	3.11523	2.4794	-2.46371	2.74942	-3.97791	3.93552	-1.51239	1.18655	3.35425
2.98865	2.98865	2.50772	2.38962	0.5401	0.827698	1.93713	1.49197	4.29782	2.1156
1.2326	1.2326	0.285278	-0.95419	-1.21484	1.08783	0.948456	1.40656	1.67709	-0.55548
2.19223	2.19223	0.571838	1.23895	0.687561	5.91373	0.704407	1.75623	1.3949	1.84903
2.4971	2.4971	1.02438	2.54163	0.970306	5.0517	2.39655	0.811859	0.592682	0.436005
2.69336	2.69336	3.38635	-0.00336	2.41699	3.24924	2.40399	-0.47049	2.10901	1.42654
2.76926	2.76926	2.38956	1.91769	-1.62119	2.74249	1.22653	1.40686	2.35522	3.11206
3.07855	3.07855	2.48868	0.898651	0.945068	2.65128	-0.46399	0.358765	1.25763	3.59897
2.87637	2.87637	0.287201	2.66046	0.94278	1.74741	-0.077	3.99387	2.29825	3.77771
2.83322	2.83322	1.35492	1.65555	2.60922	-2.74176	0.870239	0.878296	3.4093	0.888
0.368591	0.368591	-0.97113	3.23709	2.94916	-0.3204	3.51404	-4.42389	2.83261	3.6011
4.65692	4.65692	4.62396	4.06894	3.14737	0.128296	2.60291	-1.37823	3.64484	1.00302
-0.89575	-0.89575	1.93091	0.724182	3.34772	-2.19443	-0.73578	-1.98309	2.65234	6.06497
2.12003	2.12003	0.261505	2.02231	0.366699	-1.07962	-2.71976	-1.29434	-1.12949	2.24442
0.684692	0.684692	1.40448	2.70282	2.61377	2.35333	1.66385	1.81207	2.29172	0.135406
-1.29837	-1.29837	1.36264	1.21994	3.52563	3.37991	0.649994	1.03113	1.61261	0.008636
2.35239	2.35239	1.23868	1.98944	3.64203	6.6424	1.53964	2.89636	3.21848	1.5112
2.75308	2.75308	2.98996	2.47455	4.02017	4.68433	0.616791	0.761505	2.7558	3.06937
2.59637	2.59637	5.07727	0.538788	0.067505	1.98349	-0.26907	2.59116	3.52252	0.442474
1.68924	1.68924	2.48538	0.517242	-0.86453	1.3385	3.32141	4.35486	1.35385	0.189178
1.82275	1.82275	4.03339	2.89157	2.18127	-0.08011	-1.6803	1.74817	1.72095	1.86209
3.23923	3.23923	2.53851	3.19354	-2.54388	1.64786	-0.43488	2.54868	1.16852	1.1022
0.09079	0.09079	-0.15253	4.51721	-1.14136	1.60797	-0.37286	6.97021	-1.66339	2.49481
2.948	2.948	3.85165	6.14374	-0.77914	-5.9931	0.412811	1.95065	1.08633	5.71741
1.56274	1.56274	3.9664	3.50146	0.905823	-5.436	-6.79376	2.61111	-0.38556	-1.55975
2.18304	2.18304	4.03632	2.18521	1.45718	1.1037	-1.12277	0.633362	-0.90228	1.3779
3.2515	3.2515	-0.21011	0.78421	0.23996	0.437531	-0.24124	1.73267	1.50369	1.06302
3.15195	3.15195	1.24664	3.96445	0.934235	2.59491	1.15939	1.39203	2.9649	0.435242
3.9451	3.9451	-0.51971	2.32114	2.27051	2.68689	-0.69275	0.388275	3.89948	1.18201
1.04767	1.04767	1.55066	2.43903	1.73898	3.12424	1.11758	2.51401	-0.12259	1.77637
1.75598	1.75598	0.159546	2.29449	1.52139	0.900787	-0.67587	0.080261	0.956329	1.95435
0.312836	0.312836	1.04929	0.824951	1.79147	2.62308	-0.8161	-3.38095	1.91412	-0.96204
-1.20203	-1.20203	2.98279	1.61508	3.35907	3.431	-4.73599	-0.76694	-0.40424	3.36389
3.47372	3.47372	1.11523	4.64633	1.61151	2.81094	0.281342	-1.13342	1.33569	1.67319

